

GenCore version 5.1.3  
Copyright (c) 1993 - 2002 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 21, 2002, 13:23:00 ; Search time 2.61224 Seconds  
(without alignments)  
5165.587 Million cell updates/sec

Title: US-09-617-174C-1\_COPY\_914\_957

Perfect score: 44

Sequence: 1 tctcttcaattgtggacaa.....ccaagagcgttagtaggag 44

Scoring table: IDENTITY\_NUC

Gapop 10\_0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued\_Patents\_NA.\*

- 1: /cgn2\_6/ptodata/2/ina/5A\_COMB.seq.\*
- 2: /cgn2\_6/ptodata/2/ina/5B\_COMB.seq.\*
- 3: /cgn2\_6/ptodata/2/ina/6A\_COMB.seq.\*
- 4: /cgn2\_6/ptodata/2/ina/6B\_COMB.seq.\*
- 5: /cgn2\_6/ptodata/2/ina/PCTUS\_COMB.seq.\*
- 6: /cgn2\_6/ptodata/2/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	23	52.3	1020	5	PCT-US94-09752-1
C 2	21.6	49.1	6385	3	US-08-746-111-4
C 3	20.8	47.3	336	2	US-08-691-8148-96
C 4	20.8	47.3	4253	2	US-08-691-8148-7
C 5	20.8	47.3	7152	4	US-09-167-681-29
C 6	20.8	47.3	8196	4	US-09-328-174A-1
C 7	20.8	47.3	8409	4	US-09-167-681-37
C 8	20.6	46.8	3282	1	US-08-276-852-154
C 9	20.6	46.8	3282	1	US-08-276-852-169
C 10	20.6	46.8	3282	1	US-08-899-575-154
C 11	20.6	46.8	3282	1	US-08-899-575-169
C 12	20.6	46.8	3282	1	US-08-899-575-154
C 13	20.6	46.8	3282	1	US-08-899-575-169
C 14	20.6	46.8	3282	5	PCT-US95-08743-154
C 15	20.6	46.8	3282	5	PCT-US95-08743-169
C 16	20.6	46.8	8614	4	US-09-247-352-5
C 17	20.6	46.8	8614	4	US-09-466-635-5
C 18	20.6	46.8	13254	1	US-08-276-852-156
C 19	20.6	46.8	13254	1	US-08-276-852-170
C 20	20.6	46.8	13254	1	US-08-899-575-156
C 21	20.6	46.8	13254	1	US-08-899-575-170
C 22	20.6	46.8	13254	1	US-08-899-575-156
C 23	20.6	46.8	13254	1	US-08-899-575-170
C 24	20.6	46.8	13254	5	PCT-US95-08743-156
C 25	20.6	46.8	13254	5	PCT-US95-08743-170
C 26	20.2	45.9	6946	4	US-09-316-080-1
C 27	20	45.5	1969	4	US-09-552-322-7

28	19.8	45.0	51	4	US-09-564-805-5	Sequence 5, Appl1
29	19.8	45.0	238	4	US-09-328-111-315	Sequence 315, App
30	19.8	45.0	1569	4	US-09-134-001C-918	Sequence 918, App
31	19.8	45.0	2136	4	US-09-177-249-1	Sequence 1, Appl1
32	19.8	45.0	2315	4	US-09-061-769A-1	Sequence 1, Appl1
33	19.8	45.0	2322	4	US-09-061-769A-4	Sequence 4, Appl1
34	19.8	45.0	2327	4	US-09-061-769A-3	Sequence 3, Appl1
35	19.8	45.0	2481	4	US-09-564-805-1	Sequence 1, Appl1
36	19.8	45.0	2892	4	US-09-564-805-225	Sequence 225, App
37	19.8	45.0	2958	4	US-09-564-805-3	Sequence 3, Appl1
38	19.8	45.0	7015	4	US-09-177-249-6	Sequence 6, Appl1
39	19.8	45.0	26664	4	US-09-564-805-28	Sequence 28, Appl1
40	19.6	44.5	11725	2	US-08-756-506-1	Sequence 1, Appl1
C 41	19.4	44.1	2149	1	US-08-374-502-1	Sequence 1, Appl1
42	19.2	43.6	1134	4	US-09-134-001C-363	Sequence 363, App
43	19.2	43.6	3114	3	US-08-946-026-12	Sequence 12, Appl
C 44	19.2	43.6	6305	4	US-08-687-580B-6	Sequence 6, Appl1
45	19.2	43.6	6405	4	US-08-961-527-162	Sequence 162, App

ALIGNMENTS

RESULT 1  
PCT-US94-09752-1/c  
; Sequence 1, Application PC/TUS9409752  
; GENERAL INFORMATION:  
; APPLICANT: David S. Strayer and Avinash Chander  
; TITLE OF INVENTION: Compositions and Methods for  
; TITLE OF INVENTION: Targeting Cells and Modulating Pulmonary Surfactant Secreti  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Jane Massey Licata, Esq  
; STREET: 210 Lake Drive East, Suite 201  
; CITY: Cherry Hill  
; STATE: NJ  
; COUNTRY: USA  
; ZIP: 08002  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb  
; MEDIUM TYPE: STORAGE  
; COMPUTER: IBM PS/2  
; OPERATING SYSTEM: PC-DOS  
; SOFTWARE: WORDPERFECT 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US94/09752  
; FILING DATE: Herewith  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/176,218  
; FILING DATE: December 30, 1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/114,951  
; FILING DATE: August 31, 1993  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane Massey Licata  
; REGISTRATION NUMBER: 32,257  
; REFERENCE/DOCKET NUMBER: JEFF-0042  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (609) 779-2400  
; TELEFAX: (609) 779-8488  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1820  
; TYPE: nucleic acid  
; STRANDEDNESS: single stranded  
; TOPOLOGY: linear  
PCT-US94-09752-1

Query Match 52.3%; Score 23; DB 5; Length 1820;  
Best Local Similarity 83.9%; Pred. No. 0.65;  
Matches 26; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

1 TCTCTTTCAATTGTGGACAAGCTGCCAAGAG 31  
||||| ||||| || ||||| |||||  
834 TCTCTTACAATTCTGAACCAGCTGCCAAGAG 804

RESULT 2  
US-08-746-111-4/c  
; Sequence 4, Application US/08746111  
; Patent No. 6066778  
; GENERAL INFORMATION:  
; APPLICANT: Ginsburg, David

APPLICANT: Cul, Jisong  
 TITLE OF INVENTION: Compositions And Methods For Screening Compounds For Anticoagulant Activity  
 NUMBER OF SEQUENCES: 54

CORRESPONDENCE ADDRESS:  
ADDRESSEE: Medlen & Carroll, LLP  
STREET: 220 Montgomery Street, Suite 2200  
CITY: San Francisco  
STATE: California

STATE: California  
COUNTRY: United States of America  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/746,111  
FILING DATE: 06-NOV-1996  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:

NAME: Ingolia, Diane E.  
REGISTRATION NUMBER: 40,027  
REFERENCE/DOCKET NUMBER: UM-02536  
TELECOMMUNICATION INFORMATION:  
505-261-1110

TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 6595 base pairs

LENGTH: 1000 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: linear  
 MOLECULE TYPE: other nucleic acid

MOLECULE TITLE: Cyclic nucleoside  
DESCRIPTION: /desc = "DNA"  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 6..6554

8-746-111-4	Very Match	Score 2
	49.1%	Score 2
	68.2%	Pred. N
	Local Similarity	

atches	30;	Conservative	0;	Mism
1	TCTCTTTCAATTGTGGACAAGCTGCCAAGAG			

3579 TCTGATCCCAATTCTGGAGAGATGGTAAGAGAG

8-691-814B-96  
 sequence 96, Application US/08691814B  
 tent No. 5981218  
 GENERAL INFORMATION:  
 APPLICANT: Bio Mario-Christine

APPLICANT: RIO, Marie Christine  
 APPLICANT: Tomasetto, Catherine  
 APPLICANT: Basset, Paul  
 APPLICANT: Byrne, Jennifer  
 TITLE OF INVENTION: Isolated Nucle

TITLE OF INVENTION: as Leukemia Mar  
NUMBER OF SEQUENCES: 124  
CORRESPONDENCE ADDRESS:

REGISTRATION NUMBER: 40, 027  
REFERENCE/DOCKET NUMBER: UM-02536  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 705-8410

TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 6585 base pairs  
numb. nucleotides

```

TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA"

```

DESCRIPTION: 70030  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 6..6554  
-08-746-111-4

Query Match	49.1%	Score 21.6	DB 3:	Length 6585;
Best Local Similarity	68.2%	Pred. No. 4.1;		
Matches 30;	Conservative	0;	Mismatches	14; Indels 0

1 TCTCTTTCAATTGTGACAAAGCTGCCAAGAGCGTTCGATGAG 44  
||| ||| ||| ||| | ||| ||| ||| |||  
3579 TCTGATCCAAATTCGGAGAGATGGTAAGAAGCGTTAAGTCTCAG 3536

SUIT 3  
8-08-691-814B-96

Sequence 96, Application US/08091814B  
Patent No. 5981218  
GENERAL INFORMATION:  
APPLICANT: Rio, Marie-Christine  
APPLICANT: Mesasotto, Catherine

APPLICANT: Iomassetto, Catherine  
 APPLICANT: Basset, Paul  
 APPLICANT: Byrne, Jennifer  
 TITLE OF INVENTION: as Leukemia Markers and in Breast Cancer  
 TITLE OF INVENTION: as Leukemia Markers and in Breast Cancer

NUMBER OF SEQUENCES: 124  
CORRESPONDENCE ADDRESS:

```

RESULT 6
US-09-328-174A-1/c
; Sequence 1, Application US/09328174A
; Patent No. 6448003
; GENERAL INFORMATION:
; APPLICANT: Guida, Marco
; APPLICANT: Kurth, Janice
; TITLE OF INVENTION: Genotyping Human Phenol Sulfotransferase
; TITLE OF INVENTION: (Strp2)
; FILE REFERENCE: 4389-6 (formerly SEQ-16P)
; CURRENT APPLICATION NUMBER: US/09/328,174A
; CURRENT FILING DATE: 1999-06-08
; PRIOR APPLICATION NUMBER: 09/328,174
; PRIOR FILING DATE: 1999-06-08
; NUMBER OF SEQ ID NOS: 110
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 8396
; TYPE: DNA
; ORGANISM: H. sapiens
US-09-328-174A-1

Query Match          47.3%;   Score 20.8;   DB 4;   Length 8396
Best Local Similarity 78.1%;   Pred. No.10;
Matches 25;   Conservative 0;   Mismatches 7;   Indels

QY    11 TTGTGGACAAGCTGCCAAGAGCGTTTGAGTAGG 42
      ||||| ||| ||||||||| |||||
DB    950 TTCTGGCTAAGTGTCCCAAGAGCCTCGAGAAGG 919


RESULT 7
US-09-167-681-37/c
; Sequence 37, Application US/09167681A
; Patent No. 6265561
; GENERAL INFORMATION:
; APPLICANT: Weinschilboum, M.D., Richard M.
; APPLICANT: Raflogianis, Rebecca B.
; APPLICANT: Wood, Thomas C.
; APPLICANT: Oatness, Diane M.
; TITLE OF INVENTION: SULFOTRANSFERASE SEQUENCE VARIANTS
; FILE REFERENCE: 07039/118001
; CURRENT APPLICATION NUMBER: US/09/167,681A
; CURRENT FILING DATE: 1998-10-07
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 37
; LENGTH: 8397
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (3730)...(3879)
; NAME/KEY: CDS
; LOCATION: (3987)...(4112)
; NAME/KEY: CDS
; LOCATION: (4198)...(4293)
; NAME/KEY: CDS
; LOCATION: (6088)...(6213)
; NAME/KEY: CDS
; LOCATION: (6309)...(6404)
; NAME/KEY: CDS
; LOCATION: (7214)...(7393)
; NAME/KEY: CDS
; LOCATION: (7516)...(7629)
US-09-167-681-37

Query Match          47.3%;   Score 20.8;   DB 4;   Length 8400
Best Local Similarity 78.1%;   Pred. No.10;
Matches 25;   Conservative 0;   Mismatches 7;   Indels

QY    11 TTGTGGACAAGCTGCCAAGAG3CTTTGAGTAGG 42

```



```

> FILING DATE: 24-JUL-1997
> CLASSIFICATION: 435
> PRIOR APPLICATION DATA:
> APPLICATION NUMBER: US 08/276,852
> FILING DATE: 18-JUL-1994
> APPLICATION NUMBER: US 08/178,302
> FILING DATE: 30-SEP-1993
> PRIOR APPLICATION DATA:
> APPLICATION NUMBER: US 07/954,148
> FILING DATE: 30-SEP-1992
> ATTORNEY/AGENT INFORMATION:
> NAME: Fitting, Thomas
> REGISTRATION NUMBER: 34,163
> REFERENCE/DOCKET NUMBER: SCRI452P
> TELECOMMUNICATION INFORMATION:
> TELEPHONE: 619-554-2937
> TELEFAX: 619-554-6312
> INFORMATION FOR SEQ ID NO: 169:
> SEQUENCE CHARACTERISTICS:
> LENGTH: 3282 base pairs
> TYPE: nucleic acid
> STRANDEDNESS: double
> TOPOLOGY: linear
> MOLECULE TYPE: DNA (genomic)
>
> US-08-899-575-169
>
> Query Match 46.8%; Score 20.6; DB 1; Length 3282;
> Best Local Similarity 85.2%; Pred. No. 9.2;
> Matches 23; Conservative 0; Mismatches 4; Indels 0
>
> Qy 12 TGTGCACAGCTGCCAAGAGGCTTGAG 38
>
> Db 381 TGTGCAGAGCTGCCGAGAGGCTCGTG 407
>
>
> RESULT 12
> US-08-899-575-154/c
> Sequence 154, Application US/08899575
> Patent No. 5804440
> GENERAL INFORMATION:
> APPLICANT: Burton, Dennis R
> APPLICANT: Barbas, Carlos F
> APPLICANT: Lerner, Richard A
> TITLE OF INVENTION: HUMAN NEUTRALIZING MONOCLONAL ANTIBODIES
> TITLE OF INVENTION: TO HUMAN IMMUNODEFICIENCY VIRUS
> NUMBER OF SEQUENCES: 170
> CORRESPONDENCE ADDRESS:
> ADDRESSEE: The Scripps Research Institute, Office of
> ADDRESSEE: Patent Counsel
> STREET: 10666 No. 5804440th Torrey Pines Road, Suite 220,
> STREET: Mail drop TPC8
> CITY: La Jolla
> STATE: CA
> COUNTRY: USA
> ZIP: 92037
>
> COMPUTER READABLE FORM:
> MEDIUM TYPE: Floppy disk
> COMPUTER: IBM PC compatible
> OPERATING SYSTEM: PC-DOS/MS-DOS
> SOFTWARE: PatentIn Release #1.0, Version #1.25
> CURRENT APPLICATION DATA:
> APPLICATION NUMBER: US/08/899,575
> FILING DATE: 24-JUL-1997
> CLASSIFICATION:
> PRIOR APPLICATION DATA:
> APPLICATION NUMBER: US 08/276,852
> FILING DATE: 18-JUL-1994
> APPLICATION NUMBER: US 08/178,302
> FILING DATE: 30-SEP-1993
> PRIOR APPLICATION DATA:
> APPLICATION NUMBER: US 07/954,148
> FILING DATE: 30-SEP-1992
> ATTORNEY/AGENT INFORMATION:

```

NAME: Fitting, Thomas  
REGISTRATION NUMBER: 34,163  
REFERENCE/DOCKET NUMBER: SCR1452P  
TELEPHONE: 619-554-2937  
TELEFAX: 619-554-6312  
INFORMATION FOR SEQ ID NO: 154:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3282 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 15..452  
US-08-899-575-154

Query Match  
Best Local Similarity 46.8%; Score 20.6; DB 1; Length 3282;  
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 12 TGTGGACAAGCTGCCAAGAGGCTTGAG 38  
||||| ||||||| ||||||| ||  
Db 2902 TGTGGAGAAGCTGCCGAGAGGCTCGTG 2876

RESULT 13  
US-08-899-575-169  
Sequence 169, Application US/08899575  
Patent No. 5804440  
GENERAL INFORMATION:  
APPLICANT: Burton, Dennis R  
APPLICANT: Barbas, Carlos F  
APPLICANT: Lerner, Richard A  
TITLE OF INVENTION: HUMAN NEUTRALIZING MONOCLONAL ANTIBODIES  
TITLE OF INVENTION: TO HUMAN IMMUNODEFICIENCY VIRUS  
NUMBER OF SEQUENCES: 170  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: The Scripps Research Institute, Office of  
ADDRESSEE: Patent Counsel  
STREET: 10666 No. 580440th Torrey Pines Road, Suite 220,  
STREET: Mail Drop TPC8  
CITY: La Jolla  
STATE: CA  
COUNTRY: USA  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION NUMBER: US/08/899,575  
APPLICATION NUMBER: US/08/899,575  
FILING DATE: 24-JUL-1997  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/276,852  
FILING DATE: 18-JUL-1994  
APPLICATION NUMBER: US 08/178,302  
FILING DATE: 30-SEP-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/954,148  
FILING DATE: 30-SEP-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Fitting, Thomas  
REGISTRATION NUMBER: 34,163  
REFERENCE/DOCKET NUMBER: SCR1452P  
TELEPHONE: 619-554-2937  
TELEFAX: 619-554-6312  
INFORMATION FOR SEQ ID NO: 169:  
SEQUENCE CHARACTERISTICS:

NAME: Fitting, Thomas  
REGISTRATION NUMBER: 34,163  
REFERENCE/DOCKET NUMBER: SCR1452P  
TELEPHONE: 619-554-2937  
TELEFAX: 619-554-6312  
INFORMATION FOR SEQ ID NO: 154:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3282 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 15..452  
US-08-899-575-154

Query Match  
Best Local Similarity 46.8%; Score 20.6; DB 1; Length 3282;  
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 12 TGTGGACAAGCTGCCAAGAGGCTTGAG 38  
||||| ||||||| ||||||| ||  
Db 2902 TGTGGAGAAGCTGCCGAGAGGCTCGTG 2876

RESULT 14  
PCT-US95-08743-154/c  
Sequence 154, Application PC/TUS9508743  
GENERAL INFORMATION:  
APPLICANT:  
TITLE OF INVENTION: HUMAN NEUTRALIZING MONOCLONAL ANTIBODIES  
TITLE OF INVENTION: TO HUMAN IMMUNODEFICIENCY VIRUS  
NUMBER OF SEQUENCES: 170  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION NUMBER: PCT/US95/08743  
APPLICATION NUMBER: PCT/US95/08743  
FILING DATE: 11-JUL-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/276,852  
FILING DATE: 18-JUL-1994  
INFORMATION FOR SEQ ID NO: 154:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3282 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 15..452  
PCT-US95-08743-154

Query Match  
Best Local Similarity 46.8%; Score 20.6; DB 5; Length 3282;  
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 12 TGTGGACAAGCTGCCAAGAGGCTTGAG 38  
||||| ||||||| ||||||| ||  
Db 2902 TGTGGAGAAGCTGCCGAGAGGCTCGTG 2876

RESULT 15  
PCT-US95-08743-169  
Sequence 169, Application PC/TUS9508743  
GENERAL INFORMATION:  
APPLICANT:  
TITLE OF INVENTION: HUMAN NEUTRALIZING MONOCLONAL ANTIBODIES  
TITLE OF INVENTION: TO HUMAN IMMUNODEFICIENCY VIRUS  
NUMBER OF SEQUENCES: 170  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION NUMBER: PCT/US95/08743  
APPLICATION NUMBER: PCT/US95/08743  
FILING DATE: 11-JUL-1995  
PRIOR APPLICATION DATA:

NAME: Fitting, Thomas  
REGISTRATION NUMBER: 34,163  
REFERENCE/DOCKET NUMBER: SCR1452P  
TELEPHONE: 619-554-2937  
TELEFAX: 619-554-6312  
INFORMATION FOR SEQ ID NO: 154:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3282 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 15..452  
US-08-899-575-154

Query Match  
Best Local Similarity 46.8%; Score 20.6; DB 1; Length 3282;  
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 12 TGTGGACAAGCTGCCAAGAGGCTTGAG 38  
||||| ||||||| ||||||| ||  
Db 2902 TGTGGAGAAGCTGCCGAGAGGCTCGTG 2876

RESULT 13  
US-08-899-575-169  
Sequence 169, Application US/08899575  
Patent No. 5804440  
GENERAL INFORMATION:  
APPLICANT: Burton, Dennis R  
APPLICANT: Barbas, Carlos F  
APPLICANT: Lerner, Richard A  
TITLE OF INVENTION: HUMAN NEUTRALIZING MONOCLONAL ANTIBODIES  
TITLE OF INVENTION: TO HUMAN IMMUNODEFICIENCY VIRUS  
NUMBER OF SEQUENCES: 170  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: The Scripps Research Institute, Office of  
ADDRESSEE: Patent Counsel  
STREET: 10666 No. 580440th Torrey Pines Road, Suite 220,  
STREET: Mail Drop TPC8  
CITY: La Jolla  
STATE: CA  
COUNTRY: USA  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION NUMBER: US/08/899,575  
APPLICATION NUMBER: US/08/899,575  
FILING DATE: 24-JUL-1997  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/276,852  
FILING DATE: 18-JUL-1994  
APPLICATION NUMBER: US 08/178,302  
FILING DATE: 30-SEP-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/954,148  
FILING DATE: 30-SEP-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: Fitting, Thomas  
REGISTRATION NUMBER: 34,163  
REFERENCE/DOCKET NUMBER: SCR1452P  
TELEPHONE: 619-554-2937  
TELEFAX: 619-554-6312  
INFORMATION FOR SEQ ID NO: 169:  
SEQUENCE CHARACTERISTICS:

NAME: Fitting, Thomas  
REGISTRATION NUMBER: 34,163  
REFERENCE/DOCKET NUMBER: SCR1452P  
TELEPHONE: 619-554-2937  
TELEFAX: 619-554-6312  
INFORMATION FOR SEQ ID NO: 154:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3282 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 15..452  
US-08-899-575-154

Query Match  
Best Local Similarity 46.8%; Score 20.6; DB 1; Length 3282;  
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 12 TGTGGACAAGCTGCCAAGAGGCTTGAG 38  
||||| ||||||| ||||||| ||  
Db 2902 TGTGGAGAAGCTGCCGAGAGGCTCGTG 2876

RESULT 14  
PCT-US95-08743-154/c  
Sequence 154, Application PC/TUS9508743  
GENERAL INFORMATION:  
APPLICANT:  
TITLE OF INVENTION: HUMAN NEUTRALIZING MONOCLONAL ANTIBODIES  
TITLE OF INVENTION: TO HUMAN IMMUNODEFICIENCY VIRUS  
NUMBER OF SEQUENCES: 170  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION NUMBER: PCT/US95/08743  
APPLICATION NUMBER: PCT/US95/08743  
FILING DATE: 11-JUL-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/276,852  
FILING DATE: 18-JUL-1994  
INFORMATION FOR SEQ ID NO: 154:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3282 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 15..452  
PCT-US95-08743-154

Query Match  
Best Local Similarity 46.8%; Score 20.6; DB 5; Length 3282;  
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 12 TGTGGACAAGCTGCCAAGAGGCTTGAG 38  
||||| ||||||| ||||||| ||  
Db 2902 TGTGGAGAAGCTGCCGAGAGGCTCGTG 2876

RESULT 15  
PCT-US95-08743-169  
Sequence 169, Application PC/TUS9508743  
GENERAL INFORMATION:  
APPLICANT:  
TITLE OF INVENTION: HUMAN NEUTRALIZING MONOCLONAL ANTIBODIES  
TITLE OF INVENTION: TO HUMAN IMMUNODEFICIENCY VIRUS  
NUMBER OF SEQUENCES: 170  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)  
CURRENT APPLICATION NUMBER: PCT/US95/08743  
APPLICATION NUMBER: PCT/US95/08743  
FILING DATE: 11-JUL-1995  
PRIOR APPLICATION DATA:

```
; APPLICATION NUMBER: US 08/276,852
; FILING DATE: 18-JUL-1994
; INFORMATION FOR SEQ ID NO: 169:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3282 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
PCT-US95-08743-169

Query Match      46.8%  Score 20.6; DB 5; Length 3282;
Best Local Similarity 85.2%  Pred. No. 9.2;
Matches 23; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 12 TGTGGACAAGCTGCCAAGAGGCTTGAG 38
    ||||| ||||| ||||| ||||| ||
Db 381 TGTGGAGAAGCTGCCGAGAGGCTCGTG 407

Search completed: December 21, 2002, 14:43:50
Job time : 5.61224 secs
```

**THIS PAGE BLANK (USPTO)**



GenCore version 5.1.3  
Copyright (c) 1993 - 2002 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 21, 2002, 13:23:00 : Search time 30.1002 Seconds  
(without alignments)  
5165.587 Million cell updates/sec

Title: US-09-617-174C-1\_COPY\_451\_957  
Perfect score: 507  
Sequence: 1 tggatgaatcctaatacacagg.....ccaagagcttgagtaggag 507

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_NA.\*  
1: /cgn2\_6/ptodata/2/lna/5A\_COMB.seq.\*  
2: /cgn2\_6/ptodata/2/lna/5B\_COMB.seq.\*  
3: /cgn2\_6/ptodata/2/lna/6A\_COMB.seq.\*  
4: /cgn2\_6/ptodata/2/lna/6B\_COMB.seq.\*  
5: /cgn2\_6/ptodata/2/lna/PCTUS\_COMB.seq.\*  
6: /cgn2\_6/ptodata/2/lna/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	41.4	8.2	7218	1	US-08-232-463-14 Sequence 14, Appl
2	36.2	7.1	2234	1	US-08-261-822A-7 Sequence 7, Appl
3	36.2	7.1	2234	5	PCT-US95-07744A-7 Sequence 7, Appl
C 4	34.8	6.9	1494	4	US-09-071-035-341 Sequence 341, App
C 5	34	6.7	3946	3	US-09-083-351-1 Sequence 1, Appl
C 6	34	6.7	3946	4	US-09-083-352-1 Sequence 1, Appl
C 7	34	6.7	162450	4	US-09-345-882-1 Sequence 1, Appl
8	33.4	6.6	1919	4	US-09-705-299-14 Sequence 14, Appl
9	33.2	6.5	6124	4	US-08-213-419B-3 Sequence 3, Appl
C 10	33	6.5	9048	4	US-08-961-527-159 Sequence 159, App
11	32.8	6.5	5401	4	US-09-269-040-1 Sequence 1, Appl
12	32.6	6.4	98844	4	US-09-791-211-10 Sequence 10, Appl
C 13	32.4	6.4	1313	4	US-09-149-476-112 Sequence 112, App
C 14	32.4	6.4	8920	2	US-08-446-855A-1 Sequence 1, Appl
C 15	32.4	6.4	8920	4	US-09-150-741-1 Sequence 1, Appl
C 16	32.4	6.4	43360	4	US-09-453-702B-206 Sequence 206, App
C 17	32.4	6.4	45325	4	US-09-453-702B-261 Sequence 36, Appl
C 18	32.2	6.4	12124	1	US-08-181-271A-36 Sequence 36, Appl
C 19	32.2	6.4	12124	1	US-08-449-315-36 Sequence 36, Appl
C 20	32.2	6.4	12124	1	US-08-444-803-36 Sequence 36, Appl
C 21	32.2	6.4	12124	1	US-08-449-043-36 Sequence 36, Appl
C 22	32.2	6.4	12124	1	US-08-456-265A-36 Sequence 36, Appl
C 23	32.2	6.4	12124	1	US-08-455-416-36 Sequence 36, Appl
C 24	32.2	6.4	12124	1	US-08-455-244-36 Sequence 36, Appl
C 25	32.2	6.4	12124	1	US-08-454-876-36 Sequence 36, Appl
C 26	32.2	6.4	12124	2	US-08-457-364-36 Sequence 36, Appl
C 27	32.2	6.4	12124	2	US-08-456-262-36 Sequence 36, Appl

c 28	32.2	6.4	12124	2	US-08-456-240-36 Sequence 36, Appl
c 29	32.2	6.4	12124	2	US-08-455-736-36 Sequence 36, Appl
c 30	32.2	6.4	12124	2	US-08-971-217-36 Sequence 36, Appl
c 31	32.2	6.4	12124	4	US-09-350-600-36 Sequence 36, Appl
c 32	32	6.3	2781	3	US-08-749-522-4 Sequence 4, Appl
c 33	32	6.3	37948	4	US-09-251-645-11 Sequence 11, Appl
c 34	31.8	6.3	4137	3	US-08-750-357-7 Sequence 7, Appl
c 35	31.6	6.2	4817	1	US-07-951-715A-18 Sequence 18, Appl
c 36	31.6	6.2	4817	2	US-08-459-448A-18 Sequence 18, Appl
c 37	31.6	6.2	4817	3	US-08-459-595A-18 Sequence 18, Appl
c 38	31.6	6.2	4817	3	US-08-459-504B-18 Sequence 18, Appl
c 39	31.6	6.2	4817	3	US-08-459-444-18 GENERAL INFORMA
c 40	31.6	6.2	4817	4	US-09-547-422-18 Sequence 12, Appl
c 41	31.4	6.2	12597	4	US-09-705-299-12 Sequence 1, Appl
c 42	31.2	6.2	1230	4	US-09-140-466-1 Sequence 9, Appl
c 43	31	6.1	3364	2	US-08-735-609-9 Sequence 9, Appl
c 44	31	6.1	3364	2	US-08-735-609-9 Sequence 9, Appl
c 45	31	6.1	3364	3	US-09-315-372-9 Sequence 9, Appl

ALIGNMENTS

RESULT 1  
US-08-232-463-14  
: Sequence 14, Application US/08232463  
: Patent No. 5670367  
: GENERAL INFORMATION:  
: APPLICANT: DORNER, F.  
: APPLICANT: SCHEIFLINGER, F.  
: APPLICANT: FALKNER, F. G.  
: TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS  
: NUMBER OF SEQUENCES: 52  
: CORRESPONDENCE ADDRESS:  
: ADDRESSEE: Foley & Lardner  
: STREET: 1800 Diagonal Road, Suite 500  
: CITY: Alexandria  
: STATE: VA  
: COUNTRY: USA  
: ZIP: 22313-0299  
: COMPUTER READABLE FORM:  
: MEDIUM TYPE: Floppy disk  
: COMPUTER: IBM PC compatible  
: OPERATING SYSTEM: PC-DOS/MS-DOS  
: SOFTWARE: PatentIn Release #1.0, Version #1.25  
: CURRENT APPLICATION DATA:  
: APPLICATION NUMBER: US/08/232,463  
: FILING DATE:  
: CLASSIFICATION: 435  
: PRIOR APPLICATION DATA:  
: APPLICATION NUMBER: US/07/935,313  
: FILING DATE:  
: APPLICATION NUMBER: EP 91 114 300.6  
: FILING DATE: 26-AUG-1991  
: ATTORNEY/AGENT INFORMATION:  
: NAME: BENT, Stephen A.  
: REGISTRATION NUMBER: 29,768  
: REFERENCE/DOCKET NUMBER: 30472/114 IMMU  
: TELECOMMUNICATION INFORMATION:  
: TELEPHONE: (703)836-9300  
: TELEFAX: (703)683-4109  
: TELEX: 899149  
: INFORMATION FOR SEQ ID NO: 14:  
: SEQUENCE CHARACTERISTICS:  
: LENGTH: 7218 base pairs  
: TYPE: nucleic acid  
: STRANDEDNESS: single  
: TOPOLOGY: linear  
: IMMEDIATE SOURCE:  
: CLONE: pTZgpt-Fls  
US-08-232-463-14

Query Match 8.2% Score 41.4; DB 1; Length 7218;

```

Best Local Similarity 5.1%; Pred. No. 0.0071;
Matches 21; Conservative 212; Mismatches 178; Indels 0; Gaps 0;
Qy 31 GAACCTTCCTGGCCACCACTTAACAAATATCTCCTACCAATTTGGTAGTAATATTGG 90
|| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
1064 GATYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYV 1123
Qy 91 CTAATAGTAGTAAATTTTAGTAGGACACTGTGTTATACATATATCCATCTCCTCTTTT 150
: : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1124 YVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYV 1183
Qy 151 TTGATGTCTTCTGTTTAATGGCAGCTACCTCTCTTGCCATCTAGCAGATGAGCTGC 210
: : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1184 YVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYV 1243
Qy 211 TCAGTGTACAAAAGATGGAGATCAGAGTACTTTTGTGCCACCACTGCTGAG 270
: : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1244 YVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYV 1303
Qy 271 AAATTTGTAGTGTACTATCATCACATTACTTTATTTTCATCGAATAFTTCACCTTCC 330
|| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1304 YVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYV 1363
Qy 331 GTCCTCGCTGGCCGAGAGATTGCCGTAGCATGCTGTACGTATGCATGTAATCTCAC 390
: : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1364 YVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYV 1423
Qy 391 AGCCCTTCCTGCCGAACATCTTGGAGCGCTTTTGGAGCTGTGCAGACA 441
|| : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1424 YVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYVYV 1474

RESULT 2
US-08-261-822A-7
; Sequence 7, Application US/08261822A
; Patent No. 5650553
; GENERAL INFORMATION:
; APPLICANT: Ecker, Joseph R. et al.
; TITLE OF INVENTION: Plant Genes for Sensitivity to Ethylene
; TITLE OF INVENTION: and Pathogens
; NUMBER OF SEQUENCES: 82
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 5650553ris
; STREET: One Liberty Place, 46th floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/261,822A
; FILING DATE: 17-JUN-1994
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Beardell, Lori Y.
; REGISTRATION NUMBER: 34,293
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2234 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHEetical: NO
; ANTI-SENSE: NO
US-08-261-822A-7

```

```

Query Match          7.1%; Score 36.2; DB 1; Length 2234;
Best Local Similarity 45.8%; Pred. No. 0.16;
Matches 125; Conservative 0; Mismatches 148; Indels 0; Gaps

QY  42  GCGCACCCATTAAACATATCTCTACCAATTTGGTAGTAAATATATTTTCTCTAATAGTACC 101
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB  31  CACCACACAGTAATTAATGTCCTTTCTTTCTTTCCCATGTGATCTTTTACAGACATTTTCT 90
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY  102  TAATTTTTAGTAGGCACTGTGTTTTATACATATATCCATTCCTTTCTTTTGTATGTCCT 161
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB  91  TCATATTTCTCACTCTGAGTTCTGGGGATTCAACAAGACATTCCTTATCTGTTTCTTTT 150
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY  162  TCTGTTTAAATGGGCAGCTACCTCTCTTTGGCATCTAGCAGAAATGAGCTGCTGCAGTTTACA 221
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB  151  ATAAACAAGAGAGAGATAGCACTTTTGGTGTTCTTTATTTGCAACTCTTTTCAGGTTAAA 210
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY  222  CAAAAGAATGGAGATCAGACTACTTTTTCTGGCCACCACAGTCTCTGAGAAATTTCTAGT 281
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB  211  GAAATCGATAGGCTCTGTTCTTGATTCGTTGGAGAGACATGATGATGTTTAACGAGAT 270
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY  282  GTTACTATCATCACATTAATCTTTTATTTTCATC 314
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB  271  GGGATGTATGGAACATGGATTTCTTCTCTTC 303
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESULT 3
PCT-US95-07744A-7
; Sequence 7, Application PC/TUS9507744A
; GENERAL INFORMATION:
; APPLICANT: Trustees of The University of Pennsylvania
; TITLE OF INVENTION: Plant Genes for Sensitivity to Ethylene
; TITLE OF INVENTION: and Pathogens
; NUMBER OF SEQUENCES: 82
; CORRESPONDENCE ADDRESS:
; ADDRESS: Woodcock, Washburn, Kurtz, Mackiewicz & Norris
; STREET: One Liberty Place, 46th floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/07744A
; FILING DATE: 15-JUNE-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/261,822
; FILING DATE: June 17, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Beardell, Lori Y.
; REGISTRATION NUMBER: 34,293
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-3100
; TELEFAX: (215) 568-3439
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2234 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: gDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; PCT-US95-07744A-7

Query Match          7.1%; Score 36.2; DB 5; Length 2234;
Best Local Similarity 45.8%; Pred. No. 0.16;
Matches 125; Conservative 0; Mismatches 148; Indels 0; Gaps

```



RESULT 6

US-09-083-352-1/c  
; Sequence 1, Application US/09083352  
; Patent No. 6207450  
; GENERAL INFORMATION:  
; APPLICANT: Sheffield, Val C.  
; APPLICANT: Alward, Wallace L.M.  
; APPLICANT: Stone, Edwin M.  
; APPLICANT: Nishimura, Darryl  
; APPLICANT: Patil, Shiva  
; TITLE OF INVENTION: GLAUCOMA THERAPEUTICS AND DIAGNOSTICS  
; NUMBER OF SEQUENCES: 22  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP  
; STREET: One Post Office Square  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109-2170  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/083,352  
; FILING DATE: 22-MAY-1998  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Arnold, Beth E.  
; REGISTRATION NUMBER: 35,430  
; REFERENCE/DOCKET NUMBER: UIA-029.01  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 617-832-1000  
; TELEFAX: 617-832-7000  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 3946 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 475..2133  
; US-09-083-352-1

Query Match 6.7%; Score 34; DB 4; Length 3946;  
Best Local Similarity 50.0%; Pred. No. 1;  
Matches 85; Conservative 0; Mismatches 85; Indels 0; Gaps 0;

Qy 83 ATATTTTGCTAATAGTACCTAAATTTTATAGGAGGACCTGTGTTATACATATATCCATTC 142  
Db 3164 AAAATTCGGAATCATGGACGTCTATTAGTGAGAAAACGATTATTTTATATGCGCAACTC 3105

Qy 143 CTTCTTTTTCATGCTCTTTCCTTTTAAATGGCAGCTACCTCTCTTGGCATCTAGCAGAA 202  
Db 3104 CAATCTGTTTAGAAAAATATCTTTTACTAGCCCTCAAGCAAGCTGACTATATATGACAT 3045

Qy 203 TGAGCTGCTGCAGTTTACACAAAAGAAATGGAGATCAGAGTACTTTTGT 252  
Db 3044 TTTCGAGAGATGCTGCGAGGAAATAAATCTAAACAAAAGACITTTTAGT 2995

RESULT 7

US-09-345-882-1/c  
; Sequence 1, Application US/09345882  
; Patent No. 6399373  
; GENERAL INFORMATION:  
; APPLICANT: Bougueleret, Lydie  
; TITLE OF INVENTION: A NUCLEIC ACID ENCODING A RETINOBLASTOMA BINDING PROTEIN (RBP-7)

; TITLE OF INVENTION: AND POLYMORPHIC MARKERS ASSOCIATED WITH SAID NUCLEIC ACID.  
; FILE REFERENCE: GENSET 031A  
; CURRENT APPLICATION NUMBER: US/09/345.882  
; CURRENT FILING DATE: 1999-06-30  
; PRIOR APPLICATION NUMBER: US 60/091,315  
; PRIOR FILING DATE: 1998-06-30  
; PRIOR APPLICATION NUMBER: US 60/111,909  
; PRIOR FILING DATE: 1998-12-10  
; NUMBER OF SEQ ID NOS: 140  
; SOFTWARE: Patent.Pm  
; SEQ ID NO 1  
; LENGTH: 162450  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 72794  
; OTHER INFORMATION: 5-124-273 : polymorphic base A or G  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 88073  
; OTHER INFORMATION: 5-127-261 : polymorphic base A or C  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 90842  
; OTHER INFORMATION: 99-1437-325 : polymorphic base A or G  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 93714  
; OTHER INFORMATION: 5-128-60 : polymorphic base deletion of GT  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 97122  
; OTHER INFORMATION: 99-1442-224 : polymorphic base G or T  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 97152  
; OTHER INFORMATION: 5-129-144 : polymorphic base deletion of T  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 99098  
; OTHER INFORMATION: 5-130-257 : polymorphic base A or G  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 99117  
; OTHER INFORMATION: 5-130-276 : polymorphic base A or G  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 103806  
; OTHER INFORMATION: 5-131-395 : polymorphic base A or T  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 106940  
; OTHER INFORMATION: 5-133-375 : polymorphic base insertion of A  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 108106  
; OTHER INFORMATION: 5-135-155 : polymorphic base insertion of A  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 108149  
; OTHER INFORMATION: 5-135-198 : polymorphic base insertion of GTTT  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 108308  
; OTHER INFORMATION: 5-135-357 : polymorphic base A or G  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 108471  
; OTHER INFORMATION: 5-136-174 : polymorphic base C or T  
; FEATURE:  
; NAME/KEY: allele  
; LOCATION: 134134



APPLICANT: Susan M. Freier  
TITLE OF INVENTION: ANTISENSE MODULATION OF CELLULAR APOPTOSIS SUSCEPTIBILITY GENE  
FILE REFERENCE: RTS-0174  
CURRENT APPLICATION NUMBER: US/09/705,299  
CURRENT FILING DATE: 2000-11-01  
NUMBER OF SEQ ID NOS: 86  
SEQ ID NO 14  
LENGTH: 1919  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION:  
NAME/KEY: unsure  
LOCATION: 1015  
OTHER INFORMATION: unknown  
NAME/KEY: unsure  
LOCATION: 1824  
OTHER INFORMATION: unknown  
NAME/KEY: CDS  
LOCATION: (97)...(584)  
US-09-705-299-14

Query Match 6.6%; Score 33.4; DB 4; Length 1919;  
Best Local Similarity 52.1%; Pred. No. 1.1;  
Matches 73; Conservative 0; Mismatches 67; Indels 0; Gaps 0;

QY 44 CCACCCATAAACAATATCTCCACCAATTTGGTAGTAATAATTTTGGCTAATAGTACCTA 103  
DB 915 CCAAGCATCATCATCTTCCACCAAGTATTTAAAGTATGTCTCTAAAGGAAGAATA 974  
QY 104 ATTTTAGTAGGACGCTGCTTTATACATATCCATCTCTTTTTCATGTCCTTC 163  
DB 975 CATATTTTATTTGACATGTTTGGAGCTTTAAATTAATATATATATATATATTTTAC 1034

QY 164 TGTTTAATGGCAGCTACCT 183  
DB 1035 AGTTTACAGGATACTTTCT 1054

RESULT 9  
US-08-213-419B-3  
Sequence 3, Application US/08213419B  
Patent No. 6333406  
GENERAL INFORMATION:  
APPLICANT: Inselburg, J. et al.  
TITLE OF INVENTION: GENE ENCODING PROTEIN ANTIGENS OF PLASMODIUM FALCIPARUM  
FILE REFERENCE: JII-002CNC  
CURRENT APPLICATION NUMBER: US/08/213,419B  
CURRENT FILING DATE: 1994-03-14  
PRIOR APPLICATION NUMBER: US 07/870,506  
PRIOR FILING DATE: 1992-04-17  
NUMBER OF SEQ ID NOS: 20  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 3  
LENGTH: 6124  
TYPE: DNA  
ORGANISM: Plasmodium falciparum  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (2407)..(2439)  
NAME/KEY: CDS  
LOCATION: (2598)..(3404)  
NAME/KEY: CDS  
LOCATION: (3580)..(3720)  
NAME/KEY: CDS  
LOCATION: (3850)..(5835)  
US-08-213-419B-3

Query Match 6.5%; Score 33.2; DB 4; Length 6124;  
Best Local Similarity 56.4%; Pred. No. 2.2; Indels 0; Gaps 0;  
Matches 62; Conservative 0; Mismatches 48;

QY 59 TATCTCTACCAATTTGGTAGTAATAATTTTGGCTAATAGTACCTAATTTTAGTAGGCA 118  
DB 5954 TATCATGTACCTCTAATAATATATATAATAATATATATATATATATATATTTTAAAGAA 6013  
QY 119 CTGTGTTTATACATATATCCATCTCTCTTTTGGATTGCTCTTCTGTTT 168  
DB 6014 TATTTTATTCATGTAATAATATATCTTTTATTTTATTTTATTTTATTTT 6063  
RESULT 10  
US-08-961-527-159/c  
Sequence 159, Application US/08961527  
Patent No. 6420135  
GENERAL INFORMATION:  
APPLICANT: Charles Kunsch  
TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences  
NUMBER OF SEQUENCES: 391  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Human Genome Sciences, Inc.  
STREET: 9410 Key West Avenue  
CITY: Rockville  
STATE: Maryland  
COUNTRY: USA  
ZIP: 20850  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage  
COMPUTER: HP Vectra 486/33  
OPERATING SYSTEM: MSDOS version 6.2  
SOFTWARE: ASCII Text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/961,527  
FILING DATE:  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Brookes, A. Anders  
REGISTRATION NUMBER: 36,373  
REFERENCE/DOCKET NUMBER: PB340P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (301) 309-8504  
TELEFAX: (301) 309-8512  
INFORMATION FOR SEQ ID NO: 159:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 9048 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
US-08-961-527-159

Query Match 6.5%; Score 33; DB 4; Length 9048;  
Best Local Similarity 55.8%; Pred. No. 3;  
Matches 63; Conservative 0; Mismatches 50; Indels 0; Gaps 0;

QY 2 GAGTAATCTTAATCACAGGATTTTAAAGAAATCTCTCGCCGCCACCAATTAACAATAT 61  
DB 3322 GAATAATCCGTACAATCTGATTACATTCATAAATTCCTCCGTCACCTTTTATTTAAAG 3263  
QY 62 CTCTACCAATTTGGTAGTAATAATTTTGGCTAATAGTACCTAATTTTAGGTA 114  
DB 3262 GATTTTAGAATTTTACAGAATATATGCTCAAAATTTAACATTATTTAGCTA 3210

RESULT 11  
US-09-269-040-1  
Sequence 1, Application US/09269040  
Patent No. 6294712  
GENERAL INFORMATION:  
APPLICANT: KLEINE, Michael  
APPLICANT: CAI, Daguang  
TITLE OF INVENTION: NEMATODE RESISTANCE GENE  
FILE REFERENCE: 032982/0110



NAME/KEY: unsure	6.4%: Score 32.6; DB 4; Length 98844;	0: Gaps	0:
LOCATION: 65468	Best Local Similarity 48.2%; Pref. No. 12;		
OTHER INFORMATION: unknown	Matches 92; Conservative 0; Mismatches 99; Indels 0;		
NAME/KEY: unsure			
LOCATION: 65469			
OTHER INFORMATION: unknown			
NAME/KEY: unsure			
LOCATION: 65470			
OTHER INFORMATION: unknown			
NAME/KEY: unsure			
LOCATION: 65471			
OTHER INFORMATION: unknown			
NAME/KEY: unsure			
LOCATION: 87130			
OTHER INFORMATION: unknown			
NAME/KEY: unsure			
LOCATION: 89049			
OTHER INFORMATION: unknown			
US-09-791-211-10			
Query Match			
Best Local Similarity 48.2%; Pref. No. 12;			
Matches 92; Conservative 0; Mismatches 99; Indels 0;			
QY 128 TACATATCCATTCTCTTTTTTGATGTCTTTCTGTTTAAATGGCGAGCTACCTCTCT 187			
Db 19797 TAAATTTATCTCTGGTATTTTATTTCTTTTAGCTGCTATTGTTAAATGCAGTTACTTTCTT 19856			
QY 188 TGCATCTAGCAGATGAGCTCTGCAGTTTACACAAAAGATGGAGATCAGAGTACTT 247			
Db 19857 AGTTTCCTTCAGATTGTTCAATTTCTGGTGATATACACACCTGATATTTCAAGCTTGAT 19916			
QY 248 TTTGTGCCACCAACGCTGCTCGAAGAAATTTGTAGTGTACTATCATCATCACATTTACTTTTA 307			
Db 19917 GTTGTACTCTGAAACCTTGTGTAATTTACTTTATTAGATCTAGTAGCTTTCTTTGAGATTT 19976			
QY 308 TTTTCATCGAAT 318			
Db 19977 TTATATGGGAT 19987			
RESULT 13			
US-09-149-476-112/G			
; Sequence 112, Application US/09149476			
; Patent No. 6420526			
; GENERAL INFORMATION:			
; APPLICANT: Rosen et al.			
; TITLE OF INVENTION: 186 Human Secreted proteins			
; FILE REFERENCE: P2002P1			
; CURRENT APPLICATION NUMBER: US/09/149,476			
; CURRENT FILING DATE: 1998-09-08			
; EARLIER APPLICATION NUMBER: PCT/US98/04493			
; EARLIER FILING DATE: 1998-03-06			
; EARLIER APPLICATION NUMBER: 60/040,162			
; EARLIER FILING DATE: 1997-03-07			
; EARLIER APPLICATION NUMBER: 60/040,333			
; EARLIER FILING DATE: 1997-03-07			
; EARLIER APPLICATION NUMBER: 60/038,621			
; EARLIER FILING DATE: 1997-03-07			
; EARLIER APPLICATION NUMBER: 60/040,626			
; EARLIER FILING DATE: 1997-03-07			
; EARLIER APPLICATION NUMBER: 60/040,334			
; EARLIER FILING DATE: 1997-03-07			
; EARLIER APPLICATION NUMBER: 60/040,336			
; EARLIER FILING DATE: 1997-03-07			
; EARLIER APPLICATION NUMBER: 60/040,163			
; EARLIER FILING DATE: 1997-03-07			
; EARLIER APPLICATION NUMBER: 60/047,600			
; EARLIER FILING DATE: 1997-05-23			
; EARLIER APPLICATION NUMBER: 60/047,615			
; EARLIER FILING DATE: 1997-05-23			
; EARLIER APPLICATION NUMBER: 60/047,587			
; EARLIER FILING DATE: 1997-05-23			
; EARLIER APPLICATION NUMBER: 60/047,502			
; EARLIER FILING DATE: 1997-05-23			
; EARLIER APPLICATION NUMBER: 60/047,581			
; EARLIER FILING DATE: 1997-05-23			
; EARLIER APPLICATION NUMBER: 60/047,584			
; EARLIER FILING DATE: 1997-05-23			
; EARLIER APPLICATION NUMBER: 60/047,503			
; EARLIER FILING DATE: 1997-05-23			
; EARLIER APPLICATION NUMBER: 60/047,592			
; EARLIER FILING DATE: 1997-05-23			
; EARLIER APPLICATION NUMBER: 60/047,618			
; EARLIER FILING DATE: 1997-05-23			
; EARLIER APPLICATION NUMBER: 60/047,583			
; EARLIER FILING DATE: 1997-05-23			
; EARLIER APPLICATION NUMBER: 60/047,617			
; EARLIER FILING DATE: 1997-05-23			
; EARLIER APPLICATION NUMBER: 60/047,633			
; EARLIER FILING DATE: 1997-05-23			
; EARLIER APPLICATION NUMBER: 60/047,502			
; EARLIER FILING DATE: 1997-05-23			
; EARLIER APPLICATION NUMBER: 60/047,587			
; EARLIER FILING DATE: 1997-05-23			
; EARLIER APPLICATION NUMBER: 60/047,492			
; EARLIER FILING DATE: 1997-05-23			
; EARLIER APPLICATION NUMBER: 60/047,596			
; EARLIER FILING DATE: 1997-05-23			
; EARLIER APPLICATION NUMBER: 60/047,612			
; EARLIER FILING DATE: 1997-05-23			
; EARLIER APPLICATION NUMBER: 60/047,632			
; EARLIER FILING DATE: 1997-05-23			
; EARLIER APPLICATION NUMBER: 60/047,601			
; EARLIER FILING DATE: 1997-05-23			
; EARLIER APPLICATION NUMBER: 60/043,580			
; EARLIER FILING DATE: 1997-04-11			
; EARLIER APPLICATION NUMBER: 60/043,568			
; EARLIER FILING DATE: 1997-04-11			
; EARLIER APPLICATION NUMBER: 60/043,314			
; EARLIER FILING DATE: 1997-04-11			
; EARLIER APPLICATION NUMBER: 60/043,569			
; EARLIER FILING DATE: 1997-04-11			
; EARLIER APPLICATION NUMBER: 60/043,3			



;	EARLIER FILING DATE:	1997-08-22	
;	EARLIER APPLICATION NUMBER:	60/056,881	
;	EARLIER FILING DATE:	1997-08-22	
;	EARLIER APPLICATION NUMBER:	60/056,909	
;	EARLIER FILING DATE:	1997-08-22	
;	EARLIER APPLICATION NUMBER:	60/056,875	
;	EARLIER FILING DATE:	1997-08-22	
;	EARLIER APPLICATION NUMBER:	60/056,862	
;	EARLIER FILING DATE:	1997-08-22	
;	EARLIER APPLICATION NUMBER:	60/056,887	
;	EARLIER FILING DATE:	1997-08-22	
;	EARLIER APPLICATION NUMBER:	60/056,908	
;	EARLIER FILING DATE:	1997-08-22	
;	EARLIER APPLICATION NUMBER:	60/048,964	
;	EARLIER FILING DATE:	1997-06-06	
;	EARLIER APPLICATION NUMBER:	60/057,650	
;	EARLIER FILING DATE:	1997-09-05	
;	EARLIER APPLICATION NUMBER:	60/056,884	
;	EARLIER FILING DATE:	1997-08-22	
;	EARLIER APPLICATION NUMBER:	60/057,669	
;	EARLIER FILING DATE:	1997-09-05	
;	EARLIER APPLICATION NUMBER:	60/049,610	
;	EARLIER FILING DATE:	1997-06-13	
;	EARLIER APPLICATION NUMBER:	60/061,060	
;	EARLIER FILING DATE:	1997-10-02	
Query Match 6.4%; Score 32			
Best Local Similarity 54.3%; Pred. No			
Matches 63; Conservative 1; Misma			
QY	120	TGCTTTATACATATATCCATTCTCTCTTTT	
Db	1313	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	
QY	180	ACCTCTCTGGCATCTAGCAGAACTGACCTGCT	
Db	1253	ACATTATTAAAAATAAAAAATAGTACACATC	
RESULT 14			
US-08-446-855A-1/c			
; Sequence 1, Application US/08446855A			
; Patent No. 5849573			
; GENERAL INFORMATION:			
; APPLICANT: Stewart, Thomas S			
; APPLICANT: Flores, Maria V			
; APPLICANT: O'Sullivan, William J			
; TITLE OF INVENTION: Nucleotide sequence			
; TITLE OF INVENTION: phosphate synthe			
; NUMBER OF SEQUENCES: 2			
; CORRESPONDENCE ADDRESS:			
; ADDRESSEE: Nixon & Vanderhye PC			
; STREET: 1100 No. 5849573th Glebe R			
; CITY: Arlington			
; STATE: Virginia			
; COUNTRY: USA			
; ZIP: 22201-4714			
; COMPUTER READABLE FORM:			
; MEDIUM TYPE: Floppy disk			
; COMPUTER: IBM PC compatible			
; OPERATING SYSTEM: PC-DOS/MS-DOS			
; SOFTWARE: PatentIn Release #1.24			
; CURRENT APPLICATION DATA:			
; APPLICATION NUMBER: US/08/446,855A			
; FILING DATE: 06-Jul-1995			
; CLASSIFICATION: 435			
; ATTORNEY/AGENT INFORMATION:			
; NAME: Mitchard, Leonard C			
; REGISTRATION NUMBER: 29.009			
; REFERENCE/DOCKET NUMBER: 47-80			
; TELECOMMUNICATION INFORMATION:			
; TELEPHONE: 703-816-4000			
; TELEFAX: 703-816-4100			

US-08-446-855A-1/C

: Sequence 1. Application US/08446855A

Patent No. 5849573

: GENERAL INFORMATION:

APPLICANT: Stewart, Thomas S

APPLICANT: Flores, Maria V

APPLICANT: O'Sullivan, William J

;  
; TITLE OF INVENTION: Nucleotide sequence enc

; TITLE OF INVENTION:

; NUMBER OF SEQUENCES: 2

; CORRESPONDENCE ADDRESS:

ADDRESSEE: NIXON & VANDERHYE PC

STREET: 1100 No

; CITY: Arlington

STATE: Virginia

; COUNTRY: USA

; ZIP: 22201-4714

; COMPUTER READABLE FORM:

```
; MEDIUM TYPE: Floppy disk
```

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.24

```

; CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US 08 / 445 955A

```

APPLICATION NUMBER: US;0  
FILING DATE: 06-11-1995

FILING DATE: 06-JUL-  
CLASSIFICATION: A35

CLASSIFICATION: 433  
ATTORNEY/AGENT INFORMATION:

ATTORNEY/AGENCY INFORMATION:  
NAME: Mitchard, Leonard C

NAME: MITCHELL, LEONARD C  
REGISTRATION NUMBER: 29-009

REFERENCE/DOCKET NUMBER: 47-80

TELECOMMUNICATION INFORMATION:

TELEPHONE: 703-816-4000

TELEFAX: 703-816-4100

```
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 8920 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: genomic
; US-08-446-855A-1
;
; Query Match      6.4%; Score 32.4; DB 2; Length 8920;
; Best Local Similarity 53.1%; Pred. No. 4.6;
; Matches 69; Conservative 0; Mismatches 61; Indels 0; Gaps 0;
;
QY 81 AAATATTTTGCCTAATAGTACCTAATTTTATAGGTAGGCACCTGTGTTATACATATATCCAT 140
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1196 AAAAATTTATATATCTTGTATGGTAGCATTGTACATATTATATATATATATATATAT 1137
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 141 TCCTTCTTTTTCATGCTCTTCTGTTTAAATGGGCAGCTACCTCTCTGGCATCTAGCAG 200
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1136 ATATATTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCT 1077
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 201 AATGAGCTGC 210
    ||| |||
DB 1076 TATGTTGTGC 1067
    ||| |||

RESULT 15
US-09-150-741-1/c
; Sequence 1, Application US/09150741
; Patent No. 6183996
; GENERAL INFORMATION:
; APPLICANT: Stewart et al.
; TITLE OF INVENTION: Nucleotide Sequence Encoding Carbamoyl Phosphate
; Patent No. 6183996
; TITLE OF INVENTION: Synthetase II
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/09/150,741
; CURRENT FILING DATE: 1998-09-10
; EARLIER APPLICATION NUMBER: PL6380
; EARLIER FILING DATE: 1992-12-16
; EARLIER APPLICATION NUMBER: AU93/00617
; EARLIER FILING DATE: 1993-12-02
; EARLIER APPLICATION NUMBER: 08/446,855
; EARLIER FILING DATE: 1995-07-06
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 8920
; TYPE: DNA
; ORGANISM: Plasmodium falciparum
; US-09-150-741-1
;
; Query Match      6.4%; Score 32.4; DB 4; Length 8920;
; Best Local Similarity 53.1%; Pred. No. 4.6;
; Matches 69; Conservative 0; Mismatches 61; Indels 0; Gaps 0;
;
QY 81 AAATATTTTGCCTAATAGTACCTAATTTTATAGGTAGGCACCTGTGTTATACATATATCCAT 140
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1196 AAAAATTTATATATCTTGTATGGTAGCATTGTACATATTATATATATATATATATATAT 1137
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 141 TCCTTCTTTTTCATGCTCTTCTGTTTAAATGGGCAGCTACCTCTCTGGCATCTAGCAG 200
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1136 ATATATTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCT 1077
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 201 AATGAGCTGC 210
    ||| |||
DB 1076 TATGTTGTGC 1067
    ||| |||
```

GenCore version 5.1.1.3  
Copyright (c) 1993 - 2002 CompuGen Ltd.

OM nucleic - nucleic search, using sw model  
Run on: December 21, 2002, 13:23:00 ; Search time 27.5473 Seconds  
(without alignments)  
5165.587 Million cell updates/sec

Title: US-09-617-174C-1\_COPY\_451\_914  
Perfect score: 464  
Sequence: 1 ttgagtaactcctaatcacagg.....gcaacttcagcctgaatcat 464

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued\_Patents\_NA:\*

1: /cgn2\_6/ptodata/2/ina/5A\_COMB.seq:\*

2: /cgn2\_6/ptodata/2/ina/5B\_COMB.seq:\*

3: /cgn2\_6/ptodata/2/ina/6A\_COMB.seq:\*

4: /cgn2\_6/ptodata/2/ina/6B\_COMB.seq:\*

5: /cgn2\_6/ptodata/2/ina/PTUS\_COMB.seq:\*

6: /cgn2\_6/ptodata/2/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	41.4	8.9	7218	1 US-08-232-463-14	Sequence 14, Appl
2	36.2	7.8	2234	1 US-08-261-822A-7	Sequence 7, Appl
3	36.2	7.8	2234	5 PCT-US95-07744A-7	Sequence 7, Appl
C 4	34.8	7.5	1494	4 US-09-071-035-341	Sequence 341, App
C 5	34	7.3	3946	3 US-09-083-351-1	Sequence 1, Appl
C 6	34	7.3	3946	4 US-09-083-352-1	Sequence 1, Appl
C 7	34	7.3	162450	4 US-09-345-882-1	Sequence 1, Appl
8	33.4	7.2	1919	4 US-09-705-299-14	Sequence 14, Appl
9	33.2	7.2	6124	4 US-08-213-419B-3	Sequence 3, Appl
C 10	33	7.1	9048	4 US-08-961-527-159	Sequence 159, App
11	32.8	7.1	5401	4 US-09-269-040-1	Sequence 1, Appl
12	32.6	7.0	98844	4 US-09-791-211-10	Sequence 10, Appl
C 13	32.4	7.0	1313	4 US-09-149-476-112	Sequence 112, App
C 14	32.4	7.0	8920	2 US-08-446-855A-1	Sequence 1, Appl
C 15	32.4	7.0	8920	4 US-09-150-741-1	Sequence 1, Appl
C 16	32.4	7.0	43360	4 US-09-453-702B-206	Sequence 206, App
C 17	32.4	7.0	45325	4 US-09-453-702B-261	Sequence 261, App
C 18	32.2	6.9	12124	1 US-08-181-271A-36	Sequence 36, Appl
C 19	32.2	6.9	12124	1 US-08-449-315-36	Sequence 36, Appl
C 20	32.2	6.9	12124	1 US-08-444-803-36	Sequence 36, Appl
C 21	32.2	6.9	12124	1 US-08-449-043-36	Sequence 36, Appl
C 22	32.2	6.9	12124	1 US-08-456-265A-36	Sequence 36, Appl
C 23	32.2	6.9	12124	1 US-08-455-416-36	Sequence 36, Appl
C 24	32.2	6.9	12124	1 US-08-455-244-36	Sequence 36, Appl
C 25	32.2	6.9	12124	1 US-08-454-876-36	Sequence 36, Appl
C 26	32.2	6.9	12124	2 US-08-457-364-36	Sequence 36, Appl
C 27	32.2	6.9	12124	2 US-08-456-262-36	Sequence 36, Appl

C 28	32.2	6.9	12124	2 US-08-456-240-36	Sequence 36, Appl
C 29	32.2	6.9	12124	2 US-08-455-736-36	Sequence 36, Appl
C 30	32.2	6.9	12124	2 US-08-971-217-36	Sequence 36, Appl
C 31	32.2	6.9	12124	4 US-09-350-600-36	Sequence 4, Appl
C 32	32	6.9	2781	3 US-08-749-522-4	Sequence 11, Appl
C 33	32	6.9	37948	4 US-09-251-645-11	Sequence 7, Appl
C 34	31.8	6.9	4137	3 US-08-750-357-7	Sequence 18, Appl
C 35	31.6	6.8	4817	1 US-07-951-715A-18	Sequence 18, Appl
C 36	31.6	6.8	4817	2 US-08-459-448A-18	Sequence 18, Appl
C 37	31.6	6.8	4817	3 US-08-459-595A-18	Sequence 18, Appl
C 38	31.6	6.8	4817	3 US-08-459-504B-18	Sequence 18, Appl
C 39	31.6	6.8	4817	3 US-08-459-444-18	GENERAL INFORMA
C 40	31.6	6.8	4817	3 US-09-547-422-18	GENERAL INFORMA
C 41	31.4	6.8	12597	4 US-09-705-299-12	Sequence 12, Appl
42	31.2	6.7	1230	4 US-09-140-466-1	Sequence 1, Appl
43	31	6.7	3364	2 US-08-735-609-9	Sequence 9, Appl
44	31	6.7	3364	2 US-08-735-609-9	Sequence 9, Appl
45	31	6.7	3364	3 US-09-315-372-9	Sequence 9, Appl

ALIGNMENTS

RESULT 1  
US-08-232-463-14  
; Sequence 14, Application US/08232463  
; Patent No. 5670367  
; GENERAL INFORMATION:  
; APPLICANT: DORNER, F.  
; APPLICANT: SCHEIFLINGER, F.  
; APPLICANT: FALKNER, F. G.  
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS  
; NUMBER OF SEQUENCES: 52  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Foley & Lardner  
; STREET: 1800 Diagonal Road, Suite 500  
; CITY: Alexandria  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22313-0299  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/232,463  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/07/935,313  
; FILING DATE:  
; APPLICATION NUMBER: EF 91 114 300.6  
; FILING DATE: 26-AUG-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: BENT, Stephen A.  
; REGISTRATION NUMBER: 29,768  
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (703)836-9300  
; TELEFAX: (703)683-4109  
; TELEX: 899149  
; INFORMATION FOR SEQ ID NO: 14:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 7218 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; CLONE: PTZ9pt-F1s  
US-08-232-463-14

Query Match 8.9%, Score 41.4; DB 1; Length 7218;





RESULT 6

US-09-083-352-1/c

; Sequence 1, Application US/09083352

; Patent No. 6207450

; GENERAL INFORMATION:

; APPLICANT: Sheffield, Val C.

; APPLICANT: Alward, Wallace L.M.

; APPLICANT: Stone, Edwin M.

; APPLICANT: Nishimura, Darryl

; APPLICANT: Patil, Shiva

; TITLE OF INVENTION: GLAUCOMA THERAPEUTICS AND DIAGNOSTICS

; BASED ON A NOVEL HUMAN TRANSCRIPTION FACTOR

; NUMBER OF SEQUENCES: 22

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: FOLEY, HOAG & ELIOT LLP

; STREET: One Post Office Square

; CITY: Boston

; STATE: MA

; COUNTRY: USA

; ZIP: 02109-2170

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/083,352

; FILING DATE: 22-MAY-1998

; CLASSIFICATION: 514

; ATTORNEY/AGENT INFORMATION:

; NAME: Arnold, Beth E.

; REGISTRATION NUMBER: 35,430

; REFERENCE/DOCKET NUMBER: UIA-029.01

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 617-832-1000

; TELEFAX: 617-832-7000

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 3946 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 475..2133

; US-09-083-352-1

Query Match 7.3%; Score 34; DB 4; Length 3946;

Best Local Similarity 50.0%; Pred. No. 0.97;

Matches 85; Conservative 0; Mismatches 85; Indels 0; Gaps 0;

QY 83 APATTTTCTAATAGTACTAATTTTATAGTGGAGCTGTGTTTATACATATATCCATTTC 142

DB 3164 AAAATTTCCGAATCATGGACTGTCTATTAGTGAAGAAAGCTATTGTTTATATGCCAACTC 3105

QY 143 CTTCCTTTTGTGATGCTCTTTCTGTTTATGGCAGCTACCTCTCTGGCACTACGAGAA 202

DB 3104 CAATCTGTTTAGAAAAATATCTTTTACTAGCCTCAAGCAAGCTGACTATATAGTACAT 3045

QY 203 TGAGCTGCTGCAAGTTTACACAAAAAGAAATGGAGATCAGAGTACTTTTGT 252

DB 3044 TTTCGAGAGAGTCTGTCAGGAGAAATAATCTAACAAAAAGACITTTTAGT 2995

RESULT 7

US-09-345-882-1/c

; Sequence 1, Application US/09345882

; Patent No. 6399373

; GENERAL INFORMATION:

; APPLICANT: Bougueleret, Lydie

; TITLE OF INVENTION: A NUCLEIC ACID ENCODING A RETINOBLASTOMA BINDING PROTEIN (RBP-7)

; TITLE OF INVENTION: AND POLYMORPHIC MARKERS ASSOCIATED WITH SAID NUCLEIC ACID.

; FILE REFERENCE: GENSET.031A

; CURRENT APPLICATION NUMBER: US/09/345,882

; CURRENT FILING DATE: 1999-06-30

; PRIOR APPLICATION NUMBER: US 60/091,315

; PRIOR FILING DATE: 1998-06-30

; PRIOR APPLICATION NUMBER: US 60/111,909

; PRIOR FILING DATE: 1998-12-10

; NUMBER OF SEQ ID NOS: 140

; SOFTWARE: Patent.pm

; SEQ ID NO 1

; LENGTH: 162450

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: allele

; LOCATION: 72794

; OTHER INFORMATION: 5-124-273 : polymorphic base A or G

; FEATURE:

; NAME/KEY: allele

; LOCATION: 88073

; OTHER INFORMATION: 5-127-261 : polymorphic base A or C

; FEATURE:

; NAME/KEY: allele

; LOCATION: 90842

; OTHER INFORMATION: 99-1437-325 : polymorphic base A or G

; FEATURE:

; NAME/KEY: allele

; LOCATION: 93714

; OTHER INFORMATION: 5-128-60 : polymorphic base deletion of GT

; FEATURE:

; NAME/KEY: allele

; LOCATION: 97122

; OTHER INFORMATION: 99-1442-224 : polymorphic base G or T

; FEATURE:

; NAME/KEY: allele

; LOCATION: 97152

; OTHER INFORMATION: 5-129-144 : polymorphic base deletion of T

; FEATURE:

; NAME/KEY: allele

; LOCATION: 99098

; OTHER INFORMATION: 5-130-257 : polymorphic base A or G

; FEATURE:

; NAME/KEY: allele

; LOCATION: 99117

; OTHER INFORMATION: 5-130-276 : polymorphic base A or G

; FEATURE:

; NAME/KEY: allele

; LOCATION: 103806

; OTHER INFORMATION: 5-131-395 : polymorphic base A or T

; FEATURE:

; NAME/KEY: allele

; LOCATION: 106940

; OTHER INFORMATION: 5-133-375 : polymorphic base insertion of A

; FEATURE:

; NAME/KEY: allele

; LOCATION: 108106

; OTHER INFORMATION: 5-135-155 : polymorphic base insertion of A

; FEATURE:

; NAME/KEY: allele

; LOCATION: 108149

; OTHER INFORMATION: 5-135-198 : polymorphic base insertion of GTTT

; FEATURE:

; NAME/KEY: allele

; LOCATION: 108308

; OTHER INFORMATION: 5-135-357 : polymorphic base A or G

; FEATURE:

; NAME/KEY: allele

; LOCATION: 108471

; OTHER INFORMATION: 5-136-174 : polymorphic base C or T

; FEATURE:

; NAME/KEY: allele

; LOCATION: 134134

```

: OTHER INFORMATION: 5-140-120 : polymorphic base C or T
: FEATURE:
: NAME/KEY: allele
: LOCATION: 134362
: OTHER INFORMATION: 5-140-348 : polymorphic base insertion of A
: FEATURE:
: NAME/KEY: allele
: LOCATION: 134374
: OTHER INFORMATION: 5-140-361 : polymorphic base insertion of CA
: FEATURE:
: NAME/KEY: allele
: LOCATION: 146328
: OTHER INFORMATION: 5-143-84 : polymorphic base A or G
: FEATURE:
: NAME/KEY: allele
: LOCATION: 146345
: OTHER INFORMATION: 5-143-101 : polymorphic base A or C
: FEATURE:
: NAME/KEY: allele
: LOCATION: 150329
: OTHER INFORMATION: 5-145-24 : polymorphic base A or G
: FEATURE:
: NAME/KEY: allele
: LOCATION: 160031
: OTHER INFORMATION: 5-148-352 : polymorphic base G or T
: FEATURE:
: NAME/KEY: allele
: LOCATION: 72771..72817
: OTHER INFORMATION: polymorphic fragment 5-124-273 SEQ ID30
: FEATURE:
: NAME/KEY: allele
: LOCATION: 72771..72817
: OTHER INFORMATION: polymorphic fragment 5-124-273 SEQ ID51
: FEATURE:
: NAME/KEY: allele
: LOCATION: 88050..88096
: OTHER INFORMATION: polymorphic fragment 5-127-261 SEQ ID31
: FEATURE:
: NAME/KEY: allele
: LOCATION: 88050..88096
: OTHER INFORMATION: polymorphic fragment 5-127-261 SEQ ID52
: FEATURE:
: NAME/KEY: allele
: LOCATION: 90819..90865
: OTHER INFORMATION: complement polymorphic fragment 99-1437-325 SEQ ID49
: FEATURE:
: NAME/KEY: allele
: LOCATION: 90819..90865
: OTHER INFORMATION: complement polymorphic fragment 99-1437-325 SEQ ID70
: FEATURE:
: NAME/KEY: allele
: LOCATION: 93690..93736
: OTHER INFORMATION: polymorphic fragment 5-128-60 SEQ ID32
: FEATURE:
: NAME/KEY: allele
: LOCATION: 93690..93736
: OTHER INFORMATION: polymorphic fragment 5-128-60 SEQ ID53
: FEATURE:
: NAME/KEY: allele
: LOCATION: 97099..97145
: OTHER INFORMATION: polymorphic fragment 99-1442-224 SEQ ID50
: FEATURE:
: NAME/KEY: allele
: LOCATION: 97099..97145
: OTHER INFORMATION: polymorphic fragment 99-1442-224 SEQ ID71
: FEATURE:
: NAME/KEY: allele
: LOCATION: 97130..97177
: OTHER INFORMATION: polymorphic fragment 5-129-144 SEQ ID33
: FEATURE:
: NAME/KEY: allele
: LOCATION: 97130..97177
: OTHER INFORMATION: polymorphic fragment 5-129-144 SEQ ID54

```

FEATURE:	
NAME/KEY: allele	
LOCATION: 99075..99121	
OTHER INFORMATION: polymorphic fragment 5-130-257	SEQ ID34
FEATURE:	
NAME/KEY: allele	
LOCATION: 99075..99121	
OTHER INFORMATION: polymorphic fragment 5-130-257	SEQ ID55
FEATURE:	
NAME/KEY: allele	
LOCATION: 99094..99140	
OTHER INFORMATION: polymorphic fragment 5-130-276	SEQ ID35
FEATURE:	
NAME/KEY: allele	
LOCATION: 99094..99140	
OTHER INFORMATION: polymorphic fragment 5-130-276	SEQ ID56
FEATURE:	
NAME/KEY: allele	
LOCATION: 103783..103828	
OTHER INFORMATION: polymorphic fragment 5-131-395	SEQ ID36
FEATURE:	
NAME/KEY: allele	
LOCATION: 103783..103828	
OTHER INFORMATION: polymorphic fragment 5-131-395	SEQ ID57
FEATURE:	
NAME/KEY: allele	
LOCATION: 106918..106966	
OTHER INFORMATION: polymorphic fragment 5-133-375	SEQ ID37
FEATURE:	
NAME/KEY: allele	
LOCATION: 106918..106966	
OTHER INFORMATION: polymorphic fragment 5-133-375	SEQ ID58
FEATURE:	
NAME/KEY: allele	
LOCATION: 108084..108130	
OTHER INFORMATION: polymorphic fragment 5-135-155	SEQ ID38
FEATURE:	
NAME/KEY: allele	
LOCATION: 108084..108130	
OTHER INFORMATION: polymorphic fragment 5-135-155	SEQ ID59
FEATURE:	
NAME/KEY: allele	
LOCATION: 108127..108177	
OTHER INFORMATION: polymorphic fragment 5-135-198	SEQ ID39
FEATURE:	
NAME/KEY: allele	
LOCATION: 108127..108177	
OTHER INFORMATION: polymorphic fragment 5-135-198	SEQ ID60

Query Match	7.3%	Score 34;	DB 4;	Length 162450;
Best Local Similarity	53.8%	Pred. No. 5.2;		

Matches	70;	Conservative	0;	Mismatches	60;	Indels	0;	Gaps	0;
<p> </p>									

QY 59 TATCTCCTACCAATTTGGTAGTAAATATTTTCTAAATAGTACCTAATTTTAGGTAGGCA 118

Db 150592 TATATTTAAAAATTAGAGATTTACACTTACTGCCCTTTTCCCTTCTTTTGTGTTTAC 150533

QY 119 CTGTGTTTATACATATATCCATTCCCTCTCTTTTGGATTGCTTTCTGTTTAATGGGCAGC 178

Db 150532 CACTGTTGCTTATGGCTTCCTTTCTGCTTTTGATGAACCTCCCTCCCTGAGCATC 150473

Qv 179 TACCTCTCTT 188

Db 150472 TTTCACTCTT 150463

## RESULT 8

US-09-705-299-14

; Sequence 14, Application US/09705299

; Patent No. 6440737

; GENERAL INFORMATION:

; APPLICANT: Lex M. Cowser







```
; NAME/KEY: unsure
; LOCATION: 65468
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 65469
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 65470
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 65471
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 87130
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 89049
; OTHER INFORMATION: unknown
; OTHER INFORMATION:
;
US-09-791-211-10

Query Match          7.0%; Score 32.6; DB 4; Length 98844;
Best Local Similarity 48.2%; Pred. No. 11;
Matches 92; Conservative 0; Mismatches 99; Indels 0; Gaps 0;

Qy 128 TACATATACCAATCCCTCTCTTTTTCGTTGATGCTCTCTTCGTTTATGGCAGCTACCTCTCT 187
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 19797 TAAATTTTTCCTGGTATTTTATCTTTTTCGTTGATGCTCTCTTCGTTTATGGCAGCTACCTCT 19856

Qy 188 TGCCATCTACGAGTACGAGTCTGTCAGTTTACACAAAAGATGAGATCAGATGACTT 247
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 19857 AGTTTCCTTTTCAGATGTTTCATTTCTGCTGTATACACAGCTGATATTTCAACGTTGAT 19916

Qy 248 TTCTGTCACCAACGCTCTCTGAGAAATTTAGTGTGTATCATCATCATCATCATCTTTTA 307
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 19917 GTTGTACTCTGAACTTTGTTGAATTTACTTATAGATCTAGTACTTTCTTTTGAGATTT 19976

Qy 308 TTTTCATCAAT 318
      ||| ||| ||| |||
Db 19977 TTATATGGAT 19987

RESULT 13
US-09-149-476-112/c
; Sequence 112, Application US/09149476
; Patent No. 6420526
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 186 Human Secreted proteins
; FILE REFERENCE: P2002p1
; CURRENT APPLICATION NUMBER: US/09/149,476
; EARLIER APPLICATION NUMBER: 1998-09-08
; EARLIER FILING DATE: 1998-03-06
; EARLIER APPLICATION NUMBER: 60/040,162
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,333
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/038,621
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,626
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,334
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,336
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/040,163
; EARLIER FILING DATE: 1997-03-07
; EARLIER APPLICATION NUMBER: 60/047,600
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,615
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,597
```

```
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,502
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,633
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,583
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,617
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,618
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,503
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,592
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,581
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,584
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,500
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,587
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,492
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,598
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,613
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,582
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,596
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,612
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,632
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/047,601
; EARLIER FILING DATE: 1997-05-23
; EARLIER APPLICATION NUMBER: 60/043,580
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,568
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,314
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,569
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,311
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,671
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,674
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,669
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,312
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,313
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,672
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/043,315
; EARLIER FILING DATE: 1997-04-11
; EARLIER APPLICATION NUMBER: 60/048,974
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/056,886
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,877
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,889
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,893
; EARLIER FILING DATE: 1997-08-22
```

```

; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,881
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,909
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,875
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,862
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,887
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/056,908
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/048,964
; EARLIER FILING DATE: 1997-06-06
; EARLIER APPLICATION NUMBER: 60/057,650
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/056,884
; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/057,669
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/049,610
; EARLIER FILING DATE: 1997-06-13
; EARLIER APPLICATION NUMBER: 60/061,060
; EARLIER FILING DATE: 1997-10-02

Query Match          7.0%; Score 32.4; DB 4; Length 1313;
Best Local Similarity 54.3%; Pred. No. 1.8;
Matches 63; Conservative 1; Mismatches 52; Indels 0; Gaps

QY 120 TGGTGTATACATAATATCAATCCCTTTCTTTTTTGATTGTCCTTTTAATGGCAGCT 179
      ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 1313 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT

QY 180 ACCTCTCTGGCATCTAGCAAGTGCCTGCCAGCTTTACACAAAAAAGATGGAG 235
      ||||| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 1253 ACAATTTATAAAATAAAAATAGTACACAATCTCGATAACAAAAAGCATTTAG 1198


RESULT 14
US-08-446-855A-1/G
; Sequence 1, Application US/03446855A
; Patent No. 5849573
; GENERAL INFORMATION:
; APPLICANT: Stewart, Thomas S
; APPLICANT: Flores, Maria V
; APPLICANT: O'Sullivan, William J
; TITLE OF INVENTION: Nucleotide sequence encoding carbamoyl
; TITLE OF INVENTION: phosphate synthetase II
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon & Vanderbye PC
; STREET: 1100 No. 5849573th Glebe Road, 8th Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/446,855A
; FILING DATE: 06-Jul-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Mitchard, Leonard C
; REGISTRATION NUMBER: 29,009
; REFERENCE/DOCKET NUMBER: 47-80
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-816-4000
; TELEFAX: 703-816-4100
```

```
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 8920 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: genomic
; US-08-446-855A-1

Query Match      7.0%; Score 32.4; DB 2; Length 8920;
Best Local Similarity 53.1%; Pred. No. 4.3;
Matches 69; Conservative 0; Mismatches 61; Indels 0; Gaps 0;

QY 81 AATATATTTGCTAATAGTACCTAATTTTAGTAGGCACTGTGTTATACATATATCCAT 140
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1196 AAAAATTTATATCTGTATGTCAGCATTTATATATATATATATATATATATAT 1137

QY 141 TCCTTCCTTTTGGATTCCTGTTTAAATGGGCAGCTACCTCTTTGGCATCTAGCAG 200
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1136 ATATATTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT 1077

QY 201 AATGAGCTGC 210
    ||| |||
Db 1076 TATGTTGTC 1067

RESULT 15
US-09-150-741-1/c
; Sequence 1, Application US/09150741
; Patent No. 6183996
; GENERAL INFORMATION:
; APPLICANT: Stewart et al.
; TITLE OF INVENTION: Nucleotide Sequence Encoding Carbamoyl Phosphate
; Patent No. 6183996
; TITLE OF INVENTION: Synthetase II
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/09/150,741
; CURRENT FILING DATE: 1998-09-10
; EARLIER APPLICATION NUMBER: PL6380
; EARLIER FILING DATE: 1992-12-16
; EARLIER APPLICATION NUMBER: AU93/00617
; EARLIER FILING DATE: 1993-12-02
; EARLIER APPLICATION NUMBER: 08/446,855
; EARLIER FILING DATE: 1995-07-06
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1
; LENGTH: 8920
; TYPE: DNA
; ORGANISM: Plasmodium falciparum
; US-09-150-741-1

Query Match      7.0%; Score 32.4; DB 4; Length 8920;
Best Local Similarity 53.1%; Pred. No. 4.3;
Matches 69; Conservative 0; Mismatches 61; Indels 0; Gaps 0;

QY 81 AATATATTTGCTAATAGTACCTAATTTTAGTAGGCACTGTGTTATACATATATCCAT 140
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1196 AAAAATTTATATCTGTATGTCAGCATTTATATATATATATATATATATATATAT 1137

QY 141 TCCTTCCTTTTGGATTCCTGTTTAAATGGGCAGCTACCTCTTTGGCATCTAGCAG 200
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1136 ATATATTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT 1077

QY 201 AATGAGCTGC 210
    ||| |||
Db 1076 TATGTTGTC 1067
```

PD = 7/17/00

GenCore version 5.1.3  
Copyright (c) 1993 - 2002 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 21, 2002, 13:23:00 ; Search time 67.7403 Seconds  
(without alignments)  
5165.587 Million cell updates/sec

Title: US-09-617-174C-1  
Perfect score: 1141  
Sequence: 1 agataagcacagagaga.....aggataactgtgactccagg 1141

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_NA:\*

1: /cgn2\_6/ptodata/2/ina/5A\_COMB.seq.\*  
2: /cgn2\_6/ptodata/2/ina/5B\_COMB.seq.\*  
3: /cgn2\_6/ptodata/2/ina/6A\_COMB.seq.\*  
4: /cgn2\_6/ptodata/2/ina/6B\_COMB.seq.\*  
5: /cgn2\_6/ptodata/2/ina/PCTUS\_COMB.seq.\*  
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	179.8	15.8	35060	3 US-08-814-095-7	Sequence 7, Appli
2	178.6	15.7	70000	4 US-09-851-896-3	Sequence 3, Appli
3	175.8	15.4	36741	4 US-09-301-665-3	Sequence 3, Appli
4	174.4	15.3	40000	4 US-09-780-049-18	Sequence 18, Appli
5	173	15.2	1988	2 US-08-257-963B-11	Sequence 11, Appli
6	173	15.2	1988	4 US-08-367-841A-11	Sequence 11, Appli
7	173	15.2	1988	5 PCT-US95-07201-11	Sequence 11, Appli
8	173	15.2	5262	4 US-08-520-373D-5	Sequence 5, Appli
9	173	15.2	22481	4 US-08-367-841A-43	Sequence 43, Appli
10	173	15.2	22481	5 PCT-US95-07201-43	Sequence 43, Appli
11	173	15.2	22484	4 US-09-875-223-2	Sequence 2, Appli
12	173	15.2	99500	4 US-09-798-096-10	Sequence 10, Appli
13	172.6	15.1	4421	2 US-08-257-963B-9	Sequence 9, Appli
14	172.6	15.1	4421	4 US-08-367-841A-9	Sequence 9, Appli
15	172.6	15.1	4421	4 US-08-520-373D-6	Sequence 6, Appli
16	172.6	15.1	4421	5 PCT-US95-07201-9	Sequence 9, Appli
17	172	15.1	3881	4 US-09-333-593A-1	Sequence 1, Appli
18	171.8	15.1	81001	4 US-09-750-580-1	Sequence 1, Appli
19	171.6	15.0	14747	4 US-09-608-285A-42	Sequence 42, Appli
20	170.8	15.0	15977	4 US-09-608-285A-59	Sequence 59, Appli
21	170	14.9	246240	2 US-08-724-394A-20	Sequence 20, Appli
22	170	14.9	246240	2 US-08-724-394A-21	Sequence 21, Appli
23	170	14.9	246240	2 US-08-724-394A-22	Sequence 22, Appli
24	169.6	14.9	4285	4 US-09-040-774-1	Sequence 1, Appli
C 25	169.4	14.8	1600	2 US-08-487-1130-117	Sequence 117, App
C 26	169.4	14.8	1600	2 US-08-720-420A-117	Sequence 117, App
27	169	14.8	168575	4 US-09-426-290-1	Sequence 1, Appli

28	168.6	14.8	20674	4 US-09-641-638-651	Sequence 651, App
C 29	168.6	14.8	43950	4 US-09-735-934A-3	Sequence 3, Appli
30	168.6	14.8	11282	4 US-09-754-250-3	Sequence 3, Appli
C 31	168.2	14.7	885	4 US-09-227-357-100	Sequence 100, App
C 32	168	14.7	12597	4 US-09-705-299-12	Sequence 12, Appli
C 33	168	14.7	98844	4 US-09-791-211-10	Sequence 10, Appli
C 34	167.8	14.7	112132	4 US-09-741-150-3	Sequence 3, Appli
C 35	167.4	14.7	2477	1 US-08-429-742-1	Sequence 1, Appli
C 36	167.4	14.7	112132	4 US-09-741-150-3	Sequence 3, Appli
37	167	14.6	80246	4 US-09-078-294-4	Sequence 4, Appli
38	167	14.6	80595	4 US-09-078-294-3	Sequence 3, Appli
C 39	166.8	14.6	1460	4 US-09-257-179-23	Sequence 23, Appli
40	166	14.5	72604	4 US-09-268-992-7	Sequence 7, Appli
41	166	14.5	72604	4 US-09-657-474-7	Sequence 7, Appli
C 42	165.8	14.5	70000	4 US-09-851-896-3	Sequence 3, Appli
C 43	165.8	14.5	246240	2 US-08-724-394A-20	Sequence 20, Appli
C 44	165.8	14.5	246240	2 US-08-724-394A-21	Sequence 21, Appli
C 45	165.8	14.5	246240	2 US-08-724-394A-22	Sequence 22, Appli

ALIGNMENTS

RESULT 1  
US-08-814-095-7/c  
: Sequence 7, Application US/C8814095  
: Patent No. 6025183  
: GENERAL INFORMATION:  
: APPLICANT: Soreq, Hermona  
: APPLICANT: Zakut, Haim  
: APPLICANT: Shani, Moshe  
: TITLE OF INVENTION: TRANSGENIC ANIMAL ASSAY SYSTEM FOR  
: TITLE OF INVENTION: ANTI-CHOLINESTERASE SUBSTANCES  
: NUMBER OF SEQUENCES: 7  
: CORRESPONDENCE ADDRESS:  
: ADDRESSEE: KOHN & ASSOCIATES  
: STREET: 30500 No. 6025183thwestern Highway, Suite 410  
: CITY: Farmington Hills  
: STATE: Michigan  
: COUNTRY: U.S.  
: ZIP: 48334  
: COMPUTER READABLE FORM:  
: MEDIUM TYPE: Floppy disk  
: COMPUTER: IBM PC compatible  
: OPERATING SYSTEM: PC-DOS/MS-DOS  
: SOFTWARE: PatentIn Release #1.0, Version #1.30  
: CURRENT APPLICATION DATA:  
: APPLICATION NUMBER: US/08/814,095  
: FILING DATE:  
: CLASSIFICATION: 800  
: ATTORNEY/AGENT INFORMATION:  
: NAME: Montgomery, Ilene N.  
: REGISTRATION NUMBER: 38,972  
: REFERENCE/DOCKET NUMBER: 2391.00066  
: TELECOMMUNICATION INFORMATION:  
: TELEPHONE: (248) 539-5050  
: TELEFAX: (248) 539-5055  
: INFORMATION FOR SEQ ID NO: 7:  
: SEQUENCE CHARACTERISTICS:  
: LENGTH: 35060 base pairs  
: TYPE: nucleic acid  
: STRANDEDNESS: double  
: TOPOLOGY: linear  
: MOLECULE TYPE: other nucleic acid  
: DESCRIPTION: /desc = "Cosmid including ACHE  
: DESCRIPTION: promotor, ACHE gene and ARS gene"  
: HYPOTHETICAL: NO  
: ANTI-SENSE: NO  
: ORIGINAL SOURCE:  
: ORGANISM: Homo sapiens  
: POSITION IN GENOME:  
: CHROMOSOME/SEGMENT: 7q22  
: FEATURE:

```

NAME/KEY: promoter
LOCATION: 4089..22464
OTHER INFORMATION: /function= "ACHE Promotor"
OTHER INFORMATION: /standard_name= "ACHE Promotor"
FEATURE:

NAME/KEY: exon
LOCATION: 22465..22537
OTHER INFORMATION: /function= "non-translated"
OTHER INFORMATION: /gene= "ACHE"
OTHER INFORMATION: /number= 1
FEATURE:

NAME/KEY: exon
LOCATION: 24090..25177
IDENTIFICATION METHOD: experimental
OTHER INFORMATION: /function= "(translation start: 24110)"
OTHER INFORMATION: /evidence= EXPERIMENTAL
OTHER INFORMATION: /gene= "ACHE"
OTHER INFORMATION: /number= 2
FEATURE:

NAME/KEY: exon
LOCATION: 25524..26009
IDENTIFICATION METHOD: experimental
OTHER INFORMATION: /evidence= EXPERIMENTAL
OTHER INFORMATION: /gene= "ACHE"
OTHER INFORMATION: /number= 3
FEATURE:

NAME/KEY: exon
LOCATION: 27005..27274
IDENTIFICATION METHOD: experimental
OTHER INFORMATION: /evidence= EXPERIMENTAL
OTHER INFORMATION: /gene= "ACHE"
OTHER INFORMATION: /number= 4
FEATURE:

NAME/KEY: exon
LOCATION: 27255..28007
IDENTIFICATION METHOD: experimental
OTHER INFORMATION: /evidence= EXPERIMENTAL
OTHER INFORMATION: /gene= "ACHE"
OTHER INFORMATION: /number= 5
FEATURE:

NAME/KEY: terminator
LOCATION: 27385..27387
FEATURE:

NAME/KEY: exon
LOCATION: 28008..28129
IDENTIFICATION METHOD: experimental
OTHER INFORMATION: /evidence= EXPERIMENTAL
OTHER INFORMATION: /gene= "ACHE"
OTHER INFORMATION: /number= 6
FEATURE:

NAME/KEY: terminator
LOCATION: 28129..28131
FEATURE:

NAME/KEY: exon
LOCATION: complement (34528..34895)
OTHER INFORMATION: /function= "arsenite resistance"
OTHER INFORMATION: /gene= "Ar"
OTHER INFORMATION: /gene= "Ar"
OTHER INFORMATION: /number= 1
FEATURE:

NAME/KEY: exon
LOCATION: complement (34092..34358)
OTHER INFORMATION: /gene= "Ar"
OTHER INFORMATION: /number= 2
FEATURE:

NAME/KEY: exon
LOCATION: complement (33779..33963)
OTHER INFORMATION: /gene= "Ar"
OTHER INFORMATION: /number= 3
FEATURE:

NAME/KEY: exon
LOCATION: complement (33493..33591)

```



Db 20204 CCTCCCAAGTTTAAAGCAATCTCTCCCTCAGCCTCCCAAGTAGCTGGTACTACAGTCAT 20263  
QY 297 GCATCACCAGCTAGGCTATTTGTTTACATATTTTGTAGAGATGGGCTCTCACCATGTTG 356  
Db 20264 GCACCAACCTAGCTAGTATTTTATTTTATTTAGTGAGATGGGTTTTCACCATGATG 20323  
QY 357 CCAGGTGGTCTCAAACTCCCTGGGCTCAAGCAATCCGCTCAGCTCAACCTCCCCAAATG 416  
Db 20324 GCCAGGCTGGCCCTCAAACTCCCTGACCTCAAGTGATCGGCCACCTTGGCCCTCCCAAAGTG 20383  
QY 417 CTGGATTACAGCGGTGAGCCACCGGGCCAGG 448  
Db 20384 CTGGATTACAGGTGTGAGCCACCGGCGCTGG 20415

RESULT 5  
US-08-257-963B-11  
; Sequence 11, Application US/08257963B  
; Patent No. 5840686  
; GENERAL INFORMATION:  
; APPLICANT: Chader, Gerald J.; Becerra, S.  
; APPLICANT: Patricia; Schwartz, Joan P.;  
; APPLICANT: Taniwaki, Takayuki  
; TITLE OF INVENTION: PIGMENT EPITHELIUM  
; TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION OF ITS NOVEL  
; TITLE OF INVENTION: BIOLOGICAL ACTIVITY AND SEQUENCES ENCODING  
; TITLE OF INVENTION: AND EXPRESSING THE PROTEIN  
; NUMBER OF SEQUENCES: 42  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Morgan & Finnegan  
; STREET: 345 Park Avenue  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10154

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy Disk  
COMPUTER: IBM PC Compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WORDPERFECT 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/257,963B  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/952,796  
FILING DATE: 24-SEP-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: DOROTHY R. AUTH  
REGISTRATION NUMBER: 36434  
REFERENCE/DOCKET NUMBER: 20264126US1  
TELEPHONE: (212) 758-4800  
TELEFAX: (212) 751-6849  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1988 Base Pairs  
TYPE: Nucleic Acid  
STRANDEDNESS: Double  
TOPOLOGY: Unknown  
MOLECULE TYPE: Genomic DNA  
ORIGINAL SOURCE:  
ORGANISM: Human  
FEATURE:  
NAME/KEY: JTI108  
LOCATION:  
IDENTIFICATION METHOD:  
OTHER INFORMATION: 2 kb PCR product using  
OTHER INFORMATION: primers, SEQ ID: 13 and 14.

US-08-257-963B-11  
Query Match 15.2%; Score 173; DB 2; Length 1988;  
Best Local Similarity 68.3%; Pred. No. 7.4e-40;

Matches 250; Conservative 0; Mismatches 115; Indels 1; Gaps 1;  
QY 98 TCGGAAGACAGAGACAGACAGAGCTCCACGAAGAGATTTACAGAGCAGAGCTCGGTAC 157  
Db 489 TGGGTTACAGAGGGAACTAATACCAGCTCACTACAGAATAGTCTTTTTTTTTTTTTTT 548  
QY 158 TCCTTTTCTTTTCTTTTCTCTCTCCTCACCAGGCTGAAGTACAGTGGTGTAGCTCA 217  
Db 549 TNNCTTTCTGAGCGGAGTCTCGCTTTGTNCNCAAGGCTGGAGTGCAGTGTGTGATCT 608  
QY 218 CGGCTACATGCAGCTTTGACCTCCAGGCTCAAGTGTAGCTCTCTCCTCAGCTTTTCCAA 277  
Db 609 CAGCTCACTGCAACCTCTGCTCTCCCTGCTTCAAGAAATTTCTCTCCTCAGCTCCAGAG 668  
QY 278 TAACTGGGACACAGCATGACACAGGCTAGGCTATTGTTTACATATTTTCTGTAGAG 337  
Db 669 TAGCTGGGATTACAGGCACCTGCCATCATGCCAGCTAAT-TTTTGTATTTTGTAGAG 727  
QY 338 ATGGGCTCTCACCATGTTGCCAGGTTGCTCTCAAACTCCTGGGCTCAAGCAATCCGCTC 397  
Db 728 ACGGGTTTCACCATGTTGCTTAGCTGGCTCTCAAACTCCCGGCTCAAGCGATCCACC 787  
QY 398 AGCTCAACCTCCCAAAATGCTGGGATTACAGGCTGAGCCACCGGCGGCTGAGTAA 457  
Db 788 GCCTTGGCTCCCAAAAGTGTGGGATTACAGGCTGAGCCACCGGCGGCTGAGTAA 847  
QY 458 TCCTAA 463  
Db 848 TCTTAA 853

RESULT 6  
US-08-367-841A-11  
; Sequence 11, Application US/08367841A  
; Patent No. 6319687  
; GENERAL INFORMATION:  
; APPLICANT: Chader, Gerald J.; Rodriguez,  
; APPLICANT: Ignacio R.; Mazuruk, Krzysztof;  
; APPLICANT: Tombran-Tink, Joyce  
; TITLE OF INVENTION: PIGMENT EPITHELIUM  
; TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION GENOMIC  
; TITLE OF INVENTION: ORGANIZATION AND SEQUENCE OF THE PEDF GENE  
; NUMBER OF SEQUENCES: 43  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Morgan & Finnegan  
; STREET: 345 Park Avenue  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10154  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy Disk  
COMPUTER: IBM PC Compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WORDPERFECT 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/367,841A  
FILING DATE: 30-DEC-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/257,963  
FILING DATE: 07-JUN-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/952,796  
FILING DATE: 24-SEP-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: DOROTHY R. AUTH  
REGISTRATION NUMBER: 36434  
REFERENCE/DOCKET NUMBER: 20264126US2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 758-4800  
TELEFAX: (212) 751-6849  
INFORMATION FOR SEQ ID NO: 11:



SEQUENCE CHARACTERISTICS:  
LENGTH: 1988 Base Pairs  
TYPE: Nucleic Acid  
STRANDEDNESS: Double  
TOPOLOGY: Unknown  
MOLECULE TYPE: Genomic DNA  
ORIGINAL SOURCE:  
ORGANISM: Human  
FEATURE:  
NAME/KEY: JT8A  
LOCATION:  
IDENTIFICATION METHOD:  
OTHER INFORMATION: 2 kb PCR product using  
OTHER INFORMATION: primers, SEQ ID: 13 and 14; Also referred  
OTHER INFORMATION: to as JT108  
US-08-367-841A-11

Query Match 15.2%; Score 173; DB 4; Length 1988;  
Best Local Similarity 68.3%; Pred. No. 7.4e-40;  
Matches 250; Conservative 0; Mismatches 115; Indels 1; Gaps 1;

QY 98 TGGGAAGACAGAGGAGGACAAAGACAGGCTCCACGAAGAGATTTCAGAGCAGAGCTGCGTAC 157  
DB 489 TGGGTTCACAGGGGAACTAATACAGCTCACTACAGAATAGTCTTTTTTTTTTTTTTTT 548  
QY 158 TCCTTTTCTTTTGTCTGTCTGTCCACCCAGGCTGAAGTACAGTGGTTAGCTCA 217  
DB 549 TNNCTTCTGAGACGGAGTCTCGCTTGTGTCNCAAGGCTGGAGTGCAGTGGTGTATCT 608  
QY 218 CGGCTACTGACGCTTTGACCTCCAGGCTCAAGTGTGTTTACAGTGTGTTAGCTCA 217  
DB 609 CAGCTCACTCAACCTGTGCTCCCTGGTTCAAGGAATTCCTGCTCAGCCTCCAGAG 668  
QY 278 TAAGTGGGACACAGCATCATCACACGCTAGGCTATGTTTACATTTTTTTAGAG 337  
DB 669 TAGCTGGATTACAGGCACCTGCTGCTCAAGGCTAAT-TTTTGTATTTTAGTAGAG 727  
QY 338 ATGGGGTCTCACCATGTTGCCAGGTTGGTCTCAAACTCCTGGGCTCAAGCAATCCGCTC 397  
DB 728 ACGGGGTTTCCACCATGTTGCTAGGCTGCTCAAACTCCCGGCTCAAGCGATCCACCC 787  
QY 398 ACGTCAACCTCCCAATGCTGGGATTACAGGGGTGAGCGGTGAGCGCCAGCGGTGAGTAA 457  
DB 788 GCCTTGGCCCTCCCAAGTGTGGGATTACAGGGGTGAGCGGTGAGCGCCAGCAATAA 847  
QY 458 TCCTAA 463  
DB 848 TCCTAA 853

RESULT 7  
PCT-US95-07201-11  
Sequence 11, Application PC/TUS9507201  
GENERAL INFORMATION:  
APPLICANT: Chader, Gerald J.; Becerra, Sofia  
APPLICANT: Patricia; Schwartz, Joan P.;  
APPLICANT: Taniwaki, Takayuki  
TITLE OF INVENTION: PIGMENT EPITHELIUM  
TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION GENOMIC  
TITLE OF INVENTION: ORGANIZATION AND SEQUENCE OF THE PEDF GENE  
NUMBER OF SEQUENCES: 43  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Morgan & Finnegan, L.L.P.  
STREET: 345 Park Avenue  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10154  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy Disk  
COMPUTER: IBM PC Compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WORDPERFECT 5.1

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/07201  
FILING DATE: 06-JUN-1995  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/367,841  
FILING DATE: 30-DEC-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/257,963  
FILING DATE: 07-JUN-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/952,796  
FILING DATE: 24-SEP-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: DOROTHY R. AUTH  
REGISTRATION NUMBER: 36434  
REFERENCE/DOCKET NUMBER: 20264126PCT  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 758-4800  
TELEFAX: (212) 751-6849  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1988 Base Pairs  
TYPE: Nucleic Acid  
STRANDEDNESS: Double  
TOPOLOGY: Unknown  
MOLECULE TYPE: Genomic DNA  
ORIGINAL SOURCE:  
ORGANISM: Human  
FEATURE:  
NAME/KEY: JT8A  
LOCATION:  
IDENTIFICATION METHOD:  
OTHER INFORMATION: 2 kb PCR product using  
OTHER INFORMATION: primers, SEQ ID: 13 and 14; Also referred  
OTHER INFORMATION: to as JT108  
PCT-US95-07201-11

Query Match 15.2%; Score 173; DB 5; Length 1988;  
Best Local Similarity 68.3%; Pred. No. 7.4e-40;  
Matches 250; Conservative 0; Mismatches 115; Indels 1; Gaps 1;

QY 98 TGGGAAGACAGGAGGAGGACAAAGACAGGCTCCACGAAGAGATTTCAGAGCAGAGCTGCGTAC 157  
DB 489 TGGGTTCACAGGGGAACTAATACAGCTCACTACAGAATAGTCTTTTTTTTTTTTTTTT 548  
QY 158 TCCTTTTCTTTTGTCTGTCTGTCCACCCAGGCTGAAGTGTGTTTACATTTTTTTTAGAG 217  
DB 549 TNNCTTCTGAGACGGAGTCTCGCTTGTGTCNCAAGGCTGGAGTGCAGTGGTGTATCT 608  
QY 218 CGGCTCACTGACGCTTTGACCTCCAGGCTCAAGTGTGTTTACAGTGTGTTTACAGTGTGTT 277  
DB 609 CAGCTCACTCAACCTGCTGCTCCCTGGTTCAAGGAATTCCTGCTCAGCCTCCAGAG 668  
QY 278 TAAGTGGGACACAGGATGCTATCACCACGCTAGGCTATGTTTGTATTTTACATTTTTTTTAGAG 337  
DB 669 TAGCTGGATTACAGGCACCTGCTGCTCAAGGCTAAT-TTTTGTATTTTAGTAGAG 727  
QY 338 ATGGGGTCTCACCATGTTGCCAGGTTGGTCTCAAACTCCTGGGCTCAAGCAATCCGCTC 397  
DB 728 ACGGGGTTTCCACCATGTTGCTTAGGCTGCTCAAACTCCCGGCTCAAGCGATCCACCC 787  
QY 398 ACGTCAACCTCCCAATGCTGGGATTACAGGGGTGAGCGGTGAGCGCCAGCGGTGAGTAA 457  
DB 788 GCCTTGGCCCTCCCAAGTGTGGGATTACAGGGGTGAGCGGTGAGCGCCAGCAATAA 847  
QY 458 TCCTAA 463  
DB 848 TCCTAA 853

RESULT 8  
US-08-520-373D-5

; Sequence 5, Application US/08520373D  
; Patent No. 6451763  
; GENERAL INFORMATION:  
; APPLICANT: Tombran-Tink, Joyce  
; APPLICANT: Steele, Fintan R  
; APPLICANT: Chader, Gerald J  
; APPLICANT: Becerra, Sofia P  
; APPLICANT: Johnson, Lincoln V  
; APPLICANT: Rodriguez, Ignacio R  
; TITLE OF INVENTION: RETINAL PIGMENTED EPITHELIUM DERIVED NEUROTROPIC FACTOR  
; FILE REFERENCE: 2026-4203051  
; CURRENT APPLICATION NUMBER: US/08/520,373D  
; CURRENT FILING DATE: 1995-08-29  
; PRIOR APPLICATION NUMBER: 08/377,710  
; PRIOR FILING DATE: 1995-01-25  
; PRIOR APPLICATION NUMBER: 08/279,979  
; PRIOR FILING DATE: 1994-07-25  
; PRIOR APPLICATION NUMBER: 07/894,215  
; PRIOR FILING DATE: 1992-06-04  
; PRIOR APPLICATION NUMBER: 07/952,796  
; PRIOR FILING DATE: 1992-09-24  
; NUMBER OF SEQ ID NOS: 34  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 5  
; LENGTH: 5262  
; TYPE: DNA  
; ORGANISM: HUMAN  
; FEATURE:  
; OTHER INFORMATION: EXON 35-161; EXON 1142-1297; EXON 1984-2187;  
; OTHER INFORMATION: EXON 5170-5255; INTRON 162-1141; INTRON  
; OTHER INFORMATION: 1298-1983; INTRON 2188-5169; CDS 35-161; CDS  
; OTHER INFORMATION: 1142-1297; CDS 1984-2187; CDS 5170-5255  
; NAME/KEY: exon  
; LOCATION: (35)..(160)  
; NAME/KEY: exon  
; LOCATION: (1142)..(1297)  
; NAME/KEY: exon  
; LOCATION: (1984)..(2187)  
; NAME/KEY: exon  
; LOCATION: (5170)..(5256)  
; NAME/KEY: intron  
; LOCATION: (162)..(1141)  
; NAME/KEY: intron  
; LOCATION: (1298)..(1983)  
; NAME/KEY: intron  
; LOCATION: (2188)..(5169)  
; OTHER INFORMATION: n = a or g or t or c, any base  
; US-08-520-373D-5

Query Match. 15.2%; Score 173; DB 4; Length 5262;  
Best Local Similarity 68.3%; Pred. No. 1.3e-39;  
Matches 250; Conservative 0; Mismatches 115; Indels 1; Gaps 1;

Qy 98 TGGGAAGACAGGAGGACAAAGAGGCTCCAGAGAGATTTTCAGACAGAGCTGCGTAC 157  
Db 521 TGGGTTACAGGGGAACATAATACAGCTCACTACAGAAATAGTCTTTTTTTTTTTTT 580

Qy 158 TCCTTTTCTTTTGTCTTCTGTCACCCAGGCTGAAGTACAGTGTAGCTCA 217  
Db 581 TNNCTTTCTGAGACGGAGTCTCCTTTGTCNCCAGGCTGGAGTGGGTGTGATCT 640

Qy 218 CGGCTCACTGACGCTTTGACCTCCAGGCTCAAGTGATCTCTGCTCAGCTTTTCCAG 277  
Db 641 CAGCTCACTGCAACCTCTGCTCCCTGGTTCAAGGAATTTCTCTGCTCAGCTCCAGAG 700

Qy 278 TAATGGGACACAGGATGATGATCACCAGCTAGGCTATGCTTTTACATTTTTTGTAGAG 337  
Db 701 TAGTGGGATTTACAGGACCTGCCATCATGCCAGCTAAT-TTTTGTATTTTGTAGAG 759

Qy 338 ATGGGCTCTACCATGTTGGCCAGGTTGGTCTCAAACTCTCTGGGCTCAAGCAATCCGCTC 397  
Db 760 ACGGGTTTCCACATGTTGGCTTAGGCTGGTCTCAAACTCCGGGCTCAAGGATCCACCC 819

Qy 398 ACGTCAACCTCCCAAAATGCTGGGATTACAGCGGTGAGCCACCGGGCCAGGCTGAGTAA 457  
Db 820 GCCTTGGCTCCCAAAAGTCTGGGATTACAGCGGTGAGCCACCGCGCTGGCCAGATAA 879

Qy 458 TCCTAA 463  
Db 880 TCCTAA 885

RESULT 9  
US-08-367-841A-43  
; Sequence 43, Application US/08367841A  
; Patent No. 6319687  
; GENERAL INFORMATION:  
; APPLICANT: Chader, Gerald J.; Rodriguez,  
; APPLICANT: Ignacio R.; Mazuruk, Krzysztof;  
; APPLICANT: Tombran-Tink, Joyce  
; TITLE OF INVENTION: PIGMENT EPITHELIUM  
; TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION GENOMIC  
; TITLE OF INVENTION: ORGANIZATION AND SEQUENCE OF THE PEDF GENE  
; NUMBER OF SEQUENCES: 43  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Morgan & Finnegan  
; STREET: 345 Park Avenue  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10154  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy Disk  
; COMPUTER: IBM PC Compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: WORDPERFECT 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/367,841A  
; FILING DATE: 30-DEC-1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/257,963  
; FILING DATE: 07-JUN-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/952,796  
; FILING DATE: 24-SEP-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: DOROTHY R. AUTH  
; REGISTRATION NUMBER: 36434  
; REFERENCE/DOCKET NUMBER: 20264126US2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 758-4800  
; TELEFAX: (212) 751-6849  
; INFORMATION FOR SEQ ID NO: 43:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 22481 Base Pairs  
; TYPE: Nucleic Acid  
; STRANDEDNESS: Double  
; TOPOLOGY: Unknown  
; MOLECULE TYPE: Genomic DNA  
; FEATURE:  
; NAME/KEY: pl-147  
; LOCATION:  
; IDENTIFICATION METHOD:  
; OTHER INFORMATION: full length genomic  
; OTHER INFORMATION: sequence for PEDF plus flanking sequences.  
; US-08-367-841A-43

Query Match. 15.2%; Score 173; DB 4; Length 22481;  
Best Local Similarity 68.3%; Pred. No. 2.8e-39;  
Matches 250; Conservative 0; Mismatches 115; Indels 1; Gaps 1;

Qy 98 TGGGAAGACAGGAGGACAAAGAGGCTCCAGAGAGATTTTCAGACAGAGCTGCGTAC 157  
Db 15086 TGGGTTACAGGGGAACATAATACAGCTCACTACAGAAATAGTCTTTTTTTTTTTTT 15145

```
QY 158 TCCTTTTCTTTTGTCTCTTTTGTCTCTGTACCCAGGCTGAAGTACAGTGGTGTAGCTCA 217
      |||||
Db 15146 TNNNCTTTCTGAGACGAGTCTCGCTTTGTGCNCAAGGCTGGAGTGCAGTGGTGTGATCT 15205
      |||||
QY 218 CGGCTCACTGCAGCTTTGACCTCCAGGCTCAAGTGCATCTCTCGTCTCAGCTTTTCAAG 277
      |||||
Db 15206 CAGCTCAGTGCACACCTCTGCTCTCCCTGGTTTCAAGGAATTTCTCTGCTCAGCCCTCCAGAG 15265
      |||||
QY 278 TAACTGGGACACAGGCTGCATCACCAGGCTAGGCTATTGTTTTTACATTTTGTAGAG 337
      |||||
Db 15266 TACCTGGGATTACAGGACCTGCCATCATGCCAGCTAAT-TTTTGTATTTTGTAGTAGAG 15324
      |||||
QY 338 ATGGGCTCTCACCATGTGTCAGGCTGGTCTCAAACTCCTGGGCTCAAGCAATCCGCTC 397
      |||||
Db 15325 ACGGGGTTTCAACCATGTGCTAGGCTGGTCTCAAACTCCCGGGCTCAAGCGATCCACCC 15384
      |||||
QY 398 ACCTCAACCTCCCAATGCTGGGATTACAGGCTGAGCCAGCCAGGCTGAGTAA 457
      |||||
Db 15385 GCCTTGGCCCTCCCAAGTGTGGGATTACAGGCTGAGCCAGCCAGGCTGGCCAGAATA 15444
      |||||
QY 458 TCCTAA 463
      |||||
Db 15445 TCCTAA 15450
```

```
RESULT 10
PCT-US95-07201-43
; Sequence 43, Application PC/TUS9507201
; GENERAL INFORMATION:
; APPLICANT: Chader, Gerald J.; Becerra, Sofia
; APPLICANT: Patricia; Schwartz, Joan P.;
; APPLICANT: Taniwaki, Takayuki
; TITLE OF INVENTION: PIGMENT EPITHELIUM
; TITLE OF INVENTION: DERIVED FACTOR CHARACTERIZATION GENOMIC
; TITLE OF INVENTION: ORGANIZATION AND SEQUENCE OF THE PEDF GENE
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morgan & Finnegan, L.L.P.
; STREET: 345 Park Avenue
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10154
```

```
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/07201
; FILING DATE: 06-JUN-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/367,841
; FILING DATE: 30-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/257,963
; FILING DATE: 07-JUN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/952,796
; FILING DATE: 24-SEP-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: DOROTHY R. AUTH
; REGISTRATION NUMBER: 36434
; REFERENCE/DOCKET NUMBER: 20264126PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 758-4800
; TELEFAX: (212) 751-6849
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 22481 Base Pairs
; TYPE: Nucleic Acid
; STRANDEDNESS: Double
```

```
; TOPOLOGY: Unknown
; MOLECULE TYPE: Genomic DNA
; FEATURE:
; NAME/KEY: Pl-147
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION: full length genomic
; OTHER INFORMATION: sequence for PEDF plus flanking sequences.
PCT-US95-07201-43

Query Match 15.2%; Score 173; DB 5; Length 22481;
Best Local Similarity 68.3%; Pred. No. 2.8e-39;
Matches 250; Conservative 0; Mismatches 115; Indels 1; Gaps 1;

QY 98 TGGGAAGACAGGAGGACAAGACAGGCTCCACGAAGAGATTTTCAGAGCAGAGCTGCGTAC 157
      |||||
Db 15086 TGGGTTTCACAGGGGAACTATATACCAGCTCACTACAGAAAGTCTTTTNTTTTNTTTT 15145
      |||||
QY 158 TCCTTTTCTTTTGTCTCTTTTGTCTCTGTACCCAGGCTGAAGTACAGTGGTGTAGCTCA 217
      |||||
Db 15146 TNNNCTTTCTGAGACGAGTCTCGCTTTGTGCNCAAGGCTGGAGTGCAGTGGTGTGATCT 15205
      |||||
QY 218 CGGCTCACTGCAGCTTTGACCTCCAGGCTCAAGTGCATCTCTCGTCTCAGCTTTTCAAG 277
      |||||
Db 15206 CAGCTCAGTGCACACCTCTGCTCTCCCTGGTTTCAAGGAATTTCTCTGCTCAGCCCTCCAGAG 15265
      |||||
QY 278 TAACTGGGACACAGGCTGCATCACCAGCTAGGCTATTGTTTTTACATTTTGTAGAG 337
      |||||
Db 15266 TACCTGGGATTACAGGACCTGCCATCATGCCAGCTAAT-TTTTGTATTTTGTAGTAGAG 15324
      |||||
QY 338 ATGGGCTCTCACCATGTGTCAGGCTGGTCTCAAACTCCTGGGCTCAAGCAATCCGCTC 397
      |||||
Db 15325 ACGGGGTTTCAACCATGTGCTAGGCTGGTCTCAAACTCCCGGGCTCAAGCGATCCACCC 15384
      |||||
QY 398 ACCTCAACCTCCCAATGCTGGGATTACAGGCTGAGCCAGCCAGGCTGAGTAA 457
      |||||
Db 15385 GCCTTGGCCCTCCCAAGTGTGGGATTACAGGCTGAGCCAGCCAGGCTGGCCAGAATA 15444
      |||||
QY 458 TCCTAA 463
      |||||
Db 15445 TCCTAA 15450
```

```
RESULT 11
US-09-875-223-2
; Sequence 2, Application US/09875223
; Patent No. 6391850
; GENERAL INFORMATION:
; APPLICANT: NO. 6391850thwestern University
; APPLICANT: No. 63918501 Bouck
; APPLICANT: David Dawson
; APPLICANT: Paul Gillis
; TITLE OF INVENTION: Methods and Compositions for Inhibiting Angiogenesis
; FILE REFERENCE: 0290-2303
; CURRENT APPLICATION NUMBER: US/09/875,223
; CURRENT FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: US 09/122,079
; PRIOR FILING DATE: 1998-07-23
; PRIOR APPLICATION NUMBER: PCT/US98/15228
; PRIOR FILING DATE: 1998-07-23
; PRIOR APPLICATION NUMBER: US 08/899,304
; PRIOR FILING DATE: 1997-07-23
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 22484
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: Unsure
; LOCATION: 1...22484
; OTHER INFORMATION: "n" means either a, c, t, or g
US-09-875-223-2
```

Query Match 15.2%; Score 173; DB 4; Length 22484;  
Best Local Similarity 68.3%; -Pred. No. 2.8e-39;  
Matches 250; Conservative 0; Mismatches 115; Indels 1; Gaps 1;

QY	98	TGGGAAGACAGGAGGACAAGAACAGGCTCCACGAAGAGATTTCAGAGCAGAGCTGCCTAC	157
Db	15086	TGGGTTACAGGGGAACATAACTCAGCTCACTACAGAATAGTCTTTTTTTTTTTTTTTTTTTT	15145
QY	158	TCCTTTTTTCCTTTTTGTTCTCTGCTCTGCACCCAGGCTGAAGTACAGTGGTGTAGCTCA	217
Db	15146	TNNCTTTTCTCAGACGGAGTCTCGCTTGTGCNCAGGCTGGAGTGCAGTGGTGACT	15205
QY	218	CGGCTCACTGCAGCTTTGAGCTCCACGGTCAAGTGATCCTCTCGTCTCAGCTTTCCAAAG	277
Db	15206	CAGCTCACTGCACACTCTGCCTCCCTGGTTCAGGAATTCCTCCTCCCTCAGCTCCAGAG	15265
QY	278	TAACTGGGACACAGGACGATGATACACGCTAGGCTATTGTTTACATTTTTTGTATAGAG	337
Db	15266	TAGCTGGGATTCAGGACCTTGCCTCATCGCCAGAGTAAT-TTTTGTATTTTTAGTAGAG	15324
QY	338	ATGGGGTCTCACCATTGTGCCAGGTTGGTCTCAAACTCCTGGGCTCAAGCAATCCGCTC	397
Db	15325	ACGGGGTTTCACATGTTTGGCTTAGCTGGTCTCAACTCCCGGGCTCAAGCGATCCACCC	15384
QY	398	AGGTCAACTCCCCAAATGCTGGGATTACAGGCGTGAGCCACCGGGCGAGGGCTGAGTAA	457
Db	15385	GCCTTGGCCTCCCAAGGCTGGGATTACAGGCGTGAGCCACCGGGCTTGGCCAGCAATAA	15444
QY	458	TCCTTAA	463
Db	15445	CTTTAA	15450

```

RESULT 12
US-09-798-096-10
; Sequence 10, Application US/09798096
; Patent No. 6399378
; GENERAL INFORMATION:
; APPLICANT: Donna T. Ward
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF RECQL2 EXPRESSION
; FILE REFERENCE: RTS-0207
; CURRENT APPLICATION NUMBER: US/09798,096
; CURRENT FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 10
; LENGTH: 99500
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
US-09-798-096-10

```

Query Match	15.2%	Score 173;	DB 4;	Length 99500;
Best Local Similarity	74.4%;	Pred. No. 6.4e-39;		
Matches 218: Conservative	0;	Mismatches 75;	Indels 0;	Gaps 0;

Qy	161	TTTTTCTTTTGTCTTTTGGCTCTGTGCACCCAGGCTGAAGTACATGTTTACTGTACGCG	220
Db	35956	TTTTTTTTTGAGACAGTCTCGCTCTGTCCACGCGTGGAGTGAAGTGTATGATCTTGG	36015
Qy	221	CTCACTGCAGCTTTGACTCTCCGAGGCTCAAGTGATCCTCTCGTCTCAGCTTTCCCAAGTAA	280
Db	36016	CTCACTGCAGCTTCCACCTCCCGGGTTC AAGTGAATCTGTGCTCAGGCTCCGAGTAG	36075
Qy	281	CTGGGACACAGGTCATGCATCACACGCTAGGCTATTGTTTACATTTTTTGTAGAGATG	340
Db	36076	CTGGACTAGAGTGCACACACATGCTCGCTAAATTTTTTGTATTTTCAGTAGAGAGC	36135
Qy	341	GGGTCTCACCATGTGGCCGAGTTGGTCTCAAACTCCTGGGCTCAAGCAATCGGCTCAG	400
Db	36136	AGGTTTGGCATGTCTCCGAGGCTAGTCTGAACCCCTGAGCTCAGGCAATGCCCGGC	36195

Qy 401 TCAACCTCCCCAATGCTGGATTACAGGCGTGACCACCGGCCAGGGCTGA 453  
- - - - -  
Db 36196 TTGGCCTCCCAAAGTGCTAGGATTACAGGCATACGCCACCTTGCCTGGCCTTA 36248

## RESULT 13

US-08-257-963B-9  
 ; Sequence 9, Application US/08257963B  
 ; Patent No. 5840686  
 ;  
 ; GENERAL INFORMATION:  
 ;  
 ; APPLICANT: Chader, Gerald J.; Becerra, S.  
 ; APPLICANT: Patricia; Schwartz, Joan P.;  
 ; APPLICANT: Tanikawa, Takayuki  
 ;  
 ; TITLE OF INVENTION: PIGMENT EPITHELIUM  
 ; TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION OF ITS NOVEL  
 ; TITLE OF INVENTION: BIOLOGICAL ACTIVITY AND SEQUENCES ENCODING  
 ; TITLE OF INVENTION: AND EXPRESSING THE PROTEIN  
 ;  
 ; NUMBER OF SEQUENCES: 42  
 ;  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Morgan & Finnegan  
 ; STREET: 345 Park Avenue  
 ; CITY: New York  
 ; STATE: New York  
 ; COUNTRY: USA  
 ;  
 ; ZIP: 10154  
 ;  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy Disk  
 ; COMPUTER: IBM PC Compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ;  
 ; SOFTWARE: WORDPERFECT 5.1  
 ;  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/257,963B  
 ;  
 ; FILING DATE:

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/952,796  
 FILING DATE: 24-SEPT-1992  
 ATTORNEY/AGENT INFORMATION:  
 NAME: DOROTHY R. AUTH  
 REGISTRATION NUMBER: 36434  
 REFERENCE/DOCKET NUMBER: 20264126US1  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 759-4800  
 TELEFAX: (212) 751-6849  
 INFORMATION FOR SEQ ID NO: 9:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 4421 Base Pairs  
 TYPE: Nucleic Acid  
 STRANDEDNESS: Double  
 TOPOLOGY: Unknown  
 MOLECULE TYPE: Genomic DNA  
 ORIGINAL SOURCE:  
 ORGANISM: Human  
 FEATURE:  
 NAME/KEY: JT101  
 LOCATION:  
 IDENTIFICATION METHOD:  
 OTHER INFORMATION: 7.1 kb Bam HI  
 OTHER INFORMATION: fragment Derived from human placental  
 OTHER INFORMATION: genomic DNA

Query Match 15.1%; Score 172.6; DB 2; Length 4421;  
Best Local Similarity 69.3%; Pred. NO. 1.5e-39;  
Matches 235; Conservative 0; Mismatches 104; Indels 0; Gaps 0

QY	149	GCTGGGTACTCGTTTTTC	TTTTTGTCTTTTGC	TCTGTCACCCAGGCTGAGTACAGTGG	208
Db	3788	GCCTCTTATTTTTTTTT	TGAGTGGAGTCTACAC	TGTCACTGGCTGGAGTGCAGT	3847
QY	209	GTTAGCTCACGGCTCACTG	CAGCTTTGAC	TCCAGGCTCAAGTCACTCGCTCAG	268
Db	3848	GAGCGATCTCGGCTCACTG	CAACTCCGCTCTCTGGGTTC	CAAGAGATTCCTTGCTCTCAG	3907

```
QY 269 CTTTCCAAGTAAGTGGGACACAGGATGATGATCACCACGCTAGGCTATTGTTTACATTT 328
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 3908 CTTCCCAAGTAGCTGATACAGGTGCTCCACACACGCTGCTAGTTTGTATTT 3967

QY 329 TTTGTAGAGATGGGCTCACCAGTGTGCCAGGTGGTCTCAAACTCCTGGGCTCAAGC 388
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 3968 TTAGTAAGATGGGTTTACCAATGTTGGCCAGGCTGGTCTTGAACCTCCTGACATCAGGT 4027

QY 389 AATCCGCTCAGCTCAACCTCCCAAAATGCTGGGATTACAGGCTGAGCCACCGGCCAGG 448
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 4028 GATCCGCCACCTTAGCTCCCAAAAGTCTGGGATTACAGGCTGAGCCACCATACCTGG 4087

QY 449 GCTGAGTAATCTTAATCAAGGATTTTAAAGAAACTT 487
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 4088 CCAGCAAAACCTCTTAACTGTGTTCATGGGCTCCTT 4126

RESULT 14
US-08-367-841A-9
; Sequence 9, Application US/08367841A
; Patent No. 6319687
; GENERAL INFORMATION:
; APPLICANT: Chader, Gerald J.; Rodriguez,
; APPLICANT: Ignacio R.; Mazuruk, Krzysztof;
; APPLICANT: Tombran-Tink, Joyce
; TITLE OF INVENTION: PIGMENT EPITHELIUM
; TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION GENOMIC
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morgan & Finnegan
; STREET: 345 Park Avenue
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/367,841A
; FILING DATE: 30-DEC-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/257,963
; FILING DATE: 07-JUN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/952,796
; FILING DATE: 24-SEP-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: DOROTHY R. AUTH
; REGISTRATION NUMBER: 36434
; REFERENCE/DOCKET NUMBER: 20264126US2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 758-4800
; TELEFAX: (212) 751-6849
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4421 Base Pairs
; TYPE: Nucleic Acid
; STRANDEDNESS: Double
; TOPOLOGY: Unknown
; MOLECULE TYPE: Genomic DNA
; ORIGINAL SOURCE:
; ORGANISM: Human
; FEATURE:
; NAME/KEY: JTI1
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION: 7.1 kb Bam HI
```

```
; OTHER INFORMATION: fragment Derived from human placental
; OTHER INFORMATION: genomic DNA; Also referred to as JTI01
US-08-367-841A-9

Query Match 15.1%; Score 172.6; DB 4; Length 4421;
Best Local Similarity 69.3%; Pred. No. 1.5e-39;
Matches 235; Conservative 0; Mismatches 104; Indels 0; Gaps 0;

QY 149 GCTGCGTACTCCTCTTTTCTTTTCTGCTGTCTGTCACCCAGGCTCAAGTACAGTG 208
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 3788 GCCTCTATTATTTTGTGAGATGAGTCTCACACTGTCCCTGGGCTGGAGTGCAAGTG 3847

QY 209 GTTAGTCAAGGCTCACTGCAGCTTTGACCTCCAGGCTCAAGTGAATCTCTCTCTCAG 268
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 3848 GAGCGATCTCGGCTCACTGCACCTCGGCCTCTGCGGTTTCAAGAGATTTCTCCTGCCTCAG 3907

QY 269 CTTTCCAAGTAAGTGGGACACAGGATGATCACCACGCTAGGCTATTGTTTACATTT 328
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 3908 CTTCCCAAGTAGCTGGGATTACAGGTGCCACACACGCTGCTAGTTTGTATTT 3967

QY 329 TTTGTAGAGATGGGCTCACCATGTTGCCAGGTGGTCTCAAACTCCTGGGCTCAAGC 388
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 3968 TTAGTAAGATGGGTTTACCAATGTTGGCCAGGCTGGTCTTGAACCTCCTGACATCAGGT 4027

QY 389 AATCCGCTCAGCTCAACCTCCCAAAATGCTGGGATTACAGGCTGAGCCACCGGCCAGG 448
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 4028 GATCCGCCACCTTAGCTCCCAAAAGTCTGGGATTACAGGCTGAGCCACCATACCTGG 4087

QY 449 GCTGAGTAATCTTAATCAAGGATTTTAAAGAAACTT 487
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 4088 CCAGCAAAACCTCTTAACTGTGTTCATGGGCTCCTT 4126

RESULT 15
US-08-520-373D-6
; Sequence 6, Application US/08520373D
; Patent No. 6451763
; GENERAL INFORMATION:
; APPLICANT: Tombran-Tink, Joyce
; APPLICANT: Steele, Fintan R
; APPLICANT: Chader, Gerald J
; APPLICANT: Becerra, Sofia P
; APPLICANT: Johnson, Lincoln V
; APPLICANT: Rodriguez, Ignacio R
; TITLE OF INVENTION: RETINAL PIGMENTED EPITHELIUM DERIVED NEUROTROPIC FACTOR
; FILE REFERENCE: 2026-4203US1
; CURRENT APPLICATION NUMBER: US/08/520,373D
; CURRENT FILING DATE: 1995-08-29
; PRIOR APPLICATION NUMBER: 08/377,710
; PRIOR FILING DATE: 1995-01-25
; PRIOR APPLICATION NUMBER: 08/279,979
; PRIOR FILING DATE: 1994-07-25
; PRIOR APPLICATION NUMBER: 07/894,215
; PRIOR FILING DATE: 1992-06-04
; PRIOR APPLICATION NUMBER: 07/952,796
; PRIOR FILING DATE: 1992-09-24
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 4421
; TYPE: DNA
; ORGANISM: HUMAN
; FEATURE:
; OTHER INFORMATION: CDS 66-322
US-08-520-373D-6

Query Match 15.1%; Score 172.6; DB 4; Length 4421;
Best Local Similarity 69.3%; Pred. No. 1.5e-39;
Matches 235; Conservative 0; Mismatches 104; Indels 0; Gaps 0;

QY 149 GCTGCGTACTCCTTTTCTTTTCTGCTGTCTGTCACCCAGGCTCAAGTACAGTG 208
      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 3788 GCCTCTATTATTTTGTGAGATGAGTCTCACACTGTCCACCTGGGCTGGAGTGCAAGTG 3847
```

